# Table of Contents

- **Global Firewall as a Service Market - Technologies, Market share and Industry Forecast to 2024** ......................... 1
- **Global Open Source Services Market - Technologies, Market share and Industry Forecast to 2024** ......................... 1
- **Worldwide Contact Center Applications Software Forecast, 2018-2022: Cloud Reaching 50% by 2022** ................. 2
- **Global eDiscovery Market Size, Status and Forecast 2018-2025** ........................................................................ 2
- **Network Monitoring Market by Offering (Equipment and Solutions & Services), Bandwidth (1 & 10 Gbps, 40 Gbps, 100 Gbps), Technology (Ethernet, Fiber Optic, and InfiniBand), End User (Enterprises, Telecom), and Geography - Global Forecast to 2023** .......................................................................................... 3
- **IoT Platform Market by Platform Type (Device Management, Application Management, Connectivity Management), Application Area (Predictive Maintenance, Business Process Optimization, Asset Tracking), Vertical, and Region - Global Forecast to 2023** .......................................................................................................................... 4
- **Digital Landscape: Asthma** ................................................................................................................................. 5
- **European Laboratory Informatics Market By Product (LIMS, ELN, LES, EDC, ECM, CDMS, SDMS), Component (Services, Software), Delivery (On Premise, Cloud, Web), End User (Pharma, Biotech, MDx, Biobank, CRO, F&B, Oil, Gas, Chemical) - Forecast To 2024** .......................................................................................................................... 5
- **North America Quality Management In Healthcare Market By Software, Mode Of Delivery, Application & End User - Forecast To 2024** .......................................................................................................................... 6
- **VNA & PACS Market By Department (Cardiology, Radiology, Pathology, Oncology, Ortho), Enterprise, Delivery Mode (On Premise, Hybrid, Cloud), Vendor (PACS, ISV, Infrastructure), End User (Hospitals, Diagnostic Imaging Center) - Global Forecast To 2023** .......................................................................................................................... 6
- **North America Laboratory Informatics Market By Product (LIMS, ELN, LES, EDC, ECM, CDMS, SDMS), Component (Services, Software), Delivery (On Premise, Cloud, Web), End User (Pharma, Biotech, MDx, Biobank, CRO, F&B, Oil, Gas, Chemical) - Forecast To 2024** .......................................................................................................................... 7
- **Global Affective Computing Market Forecast 2018-2026** ....................................................................................... 7
- **Intelligent Apps Market by Type (Consumer Apps, Enterprise Apps), Provider (Infrastructure, Data Collection & Preparation), Store Type (Google Play, Apple App Store), Deployment Mode, Service, Vertical, and Region - Global Forecast to 2023** .......................................................................................................................... 8
- **Global Mobility as a Service Market: Focus on Business Models, Supply Chain, Case Study, Ride-Sharing, Ride-Hailing, Car-Sharing, Public Transport, Commuter Requirements, Electric Vehicle, Autonomous Vehicles, and Bikes-Analysis and Forecast, 2018-2028** .......................................................................................................................... 8
- **Network Management System (NMS) Market by Component (Solutions (Standalone and Bundled), and Services), Deployment Type (Cloud and On-premises), End-Users (Verticals and Service Providers), Organization Size, and Region - Global Forecast to 2023** .......................................................................................................................... 9
Software-Defined Networking: North American Markets to 2023 ................................................................. 44
Global B2B E-Commerce Market 2018 .................................................................................................................. 44
Artificial Intelligence in IoT: AIoT Technology, Platforms, Applications and Services by Industry Vertical 2018 -
2023 ............................................................................................................................................................................... 45
Smart Home Technologies: European Markets to 2023 ................................................................................. 45
Latin America Digital Supply Chain ......................................................................................................................... 46
Future In-Store Retail Technologies: Adoption, Implementation & Strategy 2018-2023 ........................................ 46
Worldwide Internet of Things Forecast, 2018-2022 ............................................................................................. 47
Worldwide Business Use Smartphone Forecast Update, 2018-2022 ................................................................. 47
Aviation Cyber Security Market Report 2018-2028 ............................................................................................. 48
U.S. Mobile Payments Market Forecast, 2016-2025: Merchants Grow as Mobile Goes Mainstream .................. 48
Trends of Industry Cloud: Impact of Industry Cloud Solutions in the evolution of Latin American organizations…… 49
Digital Evidence Management Market by Component (Hardware, Software (Evidence Collection, Storage, and
Sharing, Evidence Security, and Evidence Analytics and Visualization), and Services), Deployment Type, and Region -
Global Forecast to 2023 ........................................................................................................................................... 49
Worldwide Smartphone Forecast Update, 2018-2022: September 2018 ........................................................... 50
The Internet of Things (IoT) in Global Retail Markets Through 2023 ................................................................. 50
Partner Transitioning to Transformation Phase II: Build and Grow Managed Services (Professional Services) ..... 51
Worldwide Mobile Phone Forecast Update, 2018-2022: September 2018 ......................................................... 52
Global Artificial Intelligence Market in the Industrial Sector 2018-2022 ............................................................. 52
European NeoBanks Market, 2018 ......................................................................................................................... 53
3D Printing Software: Global Markets to 2023 ................................................................................................. 54
Smart Home Opportunity Assessment for Telcos ................................................................................................. 54
Cybersecurity Market by Solution (IAM, Encryption, UTM, Antivirus/Antimalware, Firewall, IDS/IPS, Disaster Recovery, and DDOS Mitigation), Service, Security Type, Deployment Mode, Organization Size, Industry Vertical,
Region - Global Forecast to 2023 ............................................................................................................................... 55
IDC’s Worldwide Digital Transformation Use Case Taxonomy, 2018: Smart Cities and Communities .................. 56
Global Autonomous Vehicles Market 2018-2022 ................................................................................................. 56
MIMO Role in High-speed Communications: Technologies, Markets and Applications ..................................... 57
Global Police and Military Simulation Training Market 2018-2022 .................................................................... 58
Global OTT TV & Video Forecasts ......................................................................................................................... 58
The Five Value Propositions of IT Certification for the Enterprise, 2018 ................................................................. 59
Monetisation Platforms: Worldwide Market Shares 2017 ................................................................................... 59
IDC’s Worldwide Semiannual Cognitive/Artificial Intelligence Systems Spending Guide Taxonomy, 2018: Update... 60
SON (Self-Organizing Networks) in the 5G Era: 2019 - 2030 - Opportunities, Challenges, Strategies & Forecasts - Japan Special Edition ................................................................. 73
Fixed Services in Emerging Asia-Pacific: Trends and Forecasts 2018-2023 ................................................................. 73
Field Installable Fiber Optic Mechanical Connector Global Market Forecast & Analysis 2017-2027 ......................... 74
Customer Data Platform Market by Type, Application (Marketing Segmentation, Personalized Recommendation, Campaign Management, Customer Engagement & Retention), Component, Delivery Mode, Enterprise Size, Vertical, and Region - Global Forecast to 2023 ...................................................................................................................... 74
Global Wireless Point of Sale Terminals Market - Technologies, Market share and Industry Forecast to 2024 .... 75
IDC’s Worldwide Digital Transformation Use Case Taxonomy, 2018: Facility Management ........................................... 75
Mobile Services in Emerging Asia-Pacific: Trends and Forecasts 2018-2023 ................................................................. 76
Global Artificial Intelligence in Manufacturing Market - Technologies, Market share and Industry Forecast to 2024 76
Global Big Data Market Forecast 2018-2026 .................................................................................................................. 77
Worldwide Tablet Forecast Update, 2018-2022: 2Q18 ....................................................................................................... 77
IDC’s Worldwide Digital Transformation Use Case Taxonomy, 2018: Legal and Corporate Strategy ...................... 78
Japan System and Service Management Software Forecast, 2018-2022 ................................................................. 78
Warehouse Management System Market by Offering (Software, Services), Deployment (On-Premise, On-Cloud), Tier Type (Advanced, Intermediate, Basic), Industry (3PL, Automotive, Food & Beverages, E-Commerce), and Region - Global Forecast to 2024 .................................................................................................................. 79
Firewall as a service delivers firewall as a cloud service. Global firewall as a service market is expected to rise with the CAGR of about 25.0% during the forecast period 2017-2024. Proliferation of next-generation firewall, rapid increase in cyber-attacks, rapid alteration and up-gradation of firewall protocols, need to fortify enterprise network against unauthorized strikes and seamless scalability and reduced operational cost are the major market drivers. However, adherence to various regulatory compliances restricts the market growth. Increasing demand for cloud based firewalls and high adoption of firewall as a service in BFSI provides growth opportunities to the market. Whereas, limited technical expertise to manage advanced firewall mechanism and integration of cloud firewalls with traditional firewall platforms challenges the market growth.

Geographically, global firewall as a service market report has been segmented in North America, Asia Pacific, Europe and Rest of World. North America is expected to dominate the market during the forecast period due to increasing adoption of cloud-based services, increasing requirement for enhanced control mechanism, etc. However, Asia Pacific is expected to be the fastest growing region in global firewall as a service market during the forecast period due to increase in cyber-attacks, increasing penetration of internet, etc.

Open source services are those services that are developed as a public collaboration and made freely available to the users. The global open source services market is expected to rise with the CAGR of about 24% during the forecast period 2017-2024. Accelerated time to market and simplified interoperability of open source technologies promotes the growth of global open source services market during the forecast period. However, high cost of integrating services is one of the major factors restraining the market growth. Increasing demand of open source services from end users is one of the opportunities whereas, complexity in open source technologies acts as one of the challenges for the global open source services market during the forecast period.

Geographically, global open source services market report has been segmented in regions such as North America, Asia Pacific, Europe and Rest of the World. North America is expected to dominate the global open source services market during the forecast period due to increasing adoption of open source services by enterprises, high investments in cloud-based solutions, etc. However, Asia Pacific is expected to be the fastest growing region in the global open source services market during the forecast period due to increasing adoption of open source services by various end users across the region, etc.
**Worldwide Contact Center Applications Software Forecast, 2018-2022:**
*Cloud Reaching 50% by 2022*

Published by IDC  
Price  
USD 4500 PDF by E-mail (Single User License)  
www.giiresearch.com/ce/551823

This IDC study provides an updated market sizing for the worldwide contact center applications software market based on completed revenue modeling and a revised data for the market over a 10-year period, with a 5-year forecast (2017-2021). "Contact centers and their associated area of customer service operations are moving into the limelight due to the market focus on customer centricity and fueled by digital transformation efforts," says Mary Wardley, program VP, Customer Care and CRM. "IDC surveys consistently place 'an improved customer experience' at the top of the stated goals driving DX initiatives."

**TABLE OF CONTENTS**
・IDC Market Forecast Figure  
・Executive Summary  
・Advice for Technology Suppliers  
・Market Forecast  
・Market Context  
・Methodology  
・Market Definition  
・Related Research

---

**Global eDiscovery Market Size, Status and Forecast 2018-2025**

Published by QYResearch  
Price  
USD 3900 PDF by E-mail (Single User License)  
USD 7800 PDF by E-mail (Enterprise Wide License)  
www.giiresearch.com/ce/720550

This report studies the eDiscovery market status and outlook of global and major regions, from angles of manufacturers, regions, product types and end industries; this report analyzes the top manufacturers in global and major regions, and splits the eDiscovery market by product type and applications/end industries.

The eDiscovery market is expected to grow from 11526.92 million USD in 2017 to over 23687.30 million USD in 2025, representing an average annual growth rate of over 9.42% over the next few years.

The major players in global eDiscovery market include:

Symantec Corporation (Veritas Technologies)  
IBM  
Xerox Legal Business Services  
Exterro  
EMC  
Epiq Systems  
HPE  
Relativity (Kcura Corporation)  
Accessdata  
FTI Technology  
Deloitte ...
Network Monitoring Market by Offering (Equipment and Solutions & Services), Bandwidth (1 & 10 Gbps, 40 Gbps, 100 Gbps), Technology (Ethernet, Fiber Optic, and InfiniBand), End User (Enterprises, Telecom), and Geography - Global Forecast to 2023

Published by MarketsandMarkets

Price
USD 5650 PDF by E-mail (Single User License) ~
USD 10000 PDF by E-mail (Global License)

The network monitoring market is expected to reach from USD 1.82 billion in 2018 to USD 2.93 billion by 2023, at a CAGR of 9.9% from 2018 to 2023. The increasing number of enterprises with strict reliability requirements drives the need for network performance monitoring equipment. Network architecture is growing in complexity and application delivery is becoming more time-sensitive. This demands the need for highly reliable, scalable network monitoring equipment. The need for robust network monitoring capabilities to ensure smooth operations of mission-critical network infrastructure and the need to quickly resolve downtime issues drive the growth of the network monitoring equipment market. However, the availability of free network traffic tools restricts the growth of this market.

"Rising concerns for performance monitoring drives network monitoring market for solutions & services"

The market for solutions & services is expected to grow at a higher CAGR from 2018 to 2023. Cross-domain management operations, Software as a Service (SaaS)-based network management market, and performance service level agreements in cloud monitoring are expected to redefine traditional network management. Moreover, increasing network complexity, converging technologies, and growing implementation of virtualization are expected to transform network management technologies, tools, and practices.
The global IIoT market size is expected to grow from USD 3.27 billion in 2018 to USD 13.82 billion by 2023, at a Compound Annual Growth Rate (CAGR) of 33.4% during the forecast period. Major growth factors for the market include increasing demand for predictive and proactive maintenance solutions, the growing need for centralized monitoring, integrating IT and OT, and the rising adoption of next-generation technologies. However, integration with legacy systems and lack of interoperability could restrain market growth.

"Real-time workforce tracking and management segments to grow at a higher CAGR during the forecast period"

Ensuring workers' safety, remotely tracking them, and achieving improved regulatory compliance can be challenging. Organizations are constantly looking to execute activities of a worker more effectively while improving efficiency, reducing non-productive work, and providing a safe work environment. Workforce automation, tracking, and management helps manufacturing enterprises streamline their processes and identify, deploy, validate, as well as manage their employees and connect with them in real time. Workforce management automates activities, such as scheduling tasks and assigning field resources and equipment to various employees on the respective manufacturing floor.
Digital Landscape: Asthma

"Digital Landscape: Asthma", analyzes digital activities undertaken by pharma industry in support of therapies for asthma.

- The report includes digital activities directed towards patients and/or HCPs.
- The geographic scope of the report is the United States, EUCAN (Canada and the 5 EU countries - UK, Germany, France, Italy & Spain).
- The report covers both inhaled and injectable asthma therapies.

Key Highlights

- US Patients: Strong feature-rich branded sites for both inhaled and injectable asthma therapies in the US. Most 2017 activity seen in the injectable therapy space, with the launch of branded and unbranded sites by AstraZeneca following approval of Fasenra, as well as activity from other companies with existing severe / allergic asthma therapies. Overall, the pharma-sponsored social media and mobile app landscapes for US patients are underdeveloped.
- US HCPs: Good brand support available for US HCPs in the asthma space from AstraZeneca, Teva and GSK. All new branded activity in 2017 was in the injectable space following approval of AstraZeneca's Fasenra. Unbranded landscape is sparse with sites only detected for severe asthma from AstraZeneca and Sanofi / Regeneron. Social media activity is limited to corporate accounts and examples of good quality, pharma-sponsored mobile apps are lacking....

European Laboratory Informatics Market By Product (LIMS, ELN, LES, EDC, ECM, CDMS, SDMS), Component (Services, Software), Delivery (On Premise, Cloud, Web), End User (Pharma, Biotech, MDx, Biobank, CRO, F&B, Oil, Gas, Chemical) - Forecast To 2024

European laboratory informatics market is expected to reach $1,084.3 million by 2024, growing at a CAGR of 6.4% during the forecast period of 2018 to 2024.

Succeeding an extensive secondary and primary research and in-depth analysis of the market scenario, the report carries out an impact analysis of the key industry drivers, restraints, opportunities, and challenges in the market dynamics segment. Growing automation in laboratories, technological advancements in laboratory informatics solutions, growing need of regulatory compliance, and increasing R&D activities are driving the market growth. In addition, increasing focus on cloud-based informatics solutions provide immense growth opportunities for various stakeholders in the European laboratory informatics market. However, lack of skilled professionals and integration of old and new systems may hinder the market growth.
**North America Quality Management In Healthcare Market By Software, Mode Of Delivery, Application & End User - Forecast To 2024**

North America quality management in healthcare is expected to grow at a CAGR of 15.8% from 2018 to reach $2.95 billion by 2024.

Succeeding an extensive secondary and primary research and in-depth analysis of the market scenario, the report carries out an impact analysis of the key industry drivers, restraints, opportunities, and challenges. The factors such as government initiatives to improve patient outcomes & safety, rising unstructured data in healthcare, rising geriatric population & burden of chronic diseases, and improving health IT infrastructure drive the growth of this market. However, data privacy & confidentiality issues, lack of interoperability, and reluctance to migrate from conventional systems is expected to hinder the growth of healthcare quality management solutions market to some extent.

**VNA & PACS Market By Department (Cardiology, Radiology, Pathology, Oncology, Ortho), Enterprise, Delivery Mode (On Premise, Hybrid, Cloud), Vendor (PACS, ISV, Infrastructure), End User (Hospitals, Diagnostic Imaging Center) - Global Forecast To 2023**

The global VNA & PACS market is expected to grow at a CAGR of 7.2% from 2018 to reach $3.87 billion by 2023. The factors such as growing investments in the medical imaging market, technological advancements in diagnostic imaging modalities and image management solutions, rapid growth in geriatric imaging volumes, growing adoption of health IT and EHRs, and rising focus on value-based care are driving the growth of VNA & PACS market. Moreover, increasing need for integration of PACS/VNA with EMR, growing penetration of artificial intelligence in medical imaging, and hybrid and cloud-based VNA represent high-growth opportunities that further supports the growth of this market. However, longer product lifecycle of VNA and budgetary constraints may hinder the growth of Vendor Neutral Archive (VNA) & Picture Archiving and Communication System (PACS) market to some extent.
North America Laboratory Informatics Market By Product (LIMS, ELN, LES, EDC, ECM, CDMS, SDMS), Component (Services, Software), Delivery (On Premise, Cloud, Web), End User (Pharma, Biotech, MDx, Biobank, CRO, F&B, Oil, Gas, Chemical) - Forecast To 2024

North American laboratory informatics market is expected to grow at a CAGR of 6.2% from 2018 to reach $1,715 million by 2024. The growth of this market is mainly attributed to the growing automation in laboratories; technological advancements in laboratory informatics; growing need for regulatory compliance; and increasing demand from biobanks/biorepositories, academic research institutes, & CROs. In addition, increasing R&D activities and growing focus on cloud-based informatics solutions provide immense growth opportunities for various stakeholders in the North American laboratory informatics market. However, lack of skilled professionals may hinder the market growth.

Global Affective Computing Market Forecast 2018-2026

The Global Affective Computing market is anticipated to rise at a CAGR of 28.46% for the forecast period of 2018-2026. Factors such as a growing mandate of affective computing applications in various sectors, rising focus on R&D for developing software technologies, and increasing applications for the tech-savvy customers are primarily responsible for driving this market.

MARKET INSIGHTS

The global affective computing market is segmented into four major parts, which includes software and hardware, applications, industrial sectors, and technologies. The software segment includes gesture recognition, speech recognition, facial expression recognition, enterprise software and neural analytics, whereas the hardware segment includes cameras, sensors, and storage. The application for this market includes hands-free computing, social interfaces, virtual sales assistant, distance education and internet banking. The industrial sector segment comprises of psychiatry, security, robotics, neurology, medical, dialog/automatic call centers, etc. The technologies segment for the global market is further segmented into body volume pulse, emotional speech, visual aesthetics, facial affect detection, galvanic skin response, facial electromyography and body gestures.
Intelligent Apps Market by Type (Consumer Apps, Enterprise Apps), Provider (Infrastructure, Data Collection & Preparation), Store Type (Google Play, Apple App Store), Deployment Mode, Service, Vertical, and Region - Global Forecast to 2023

Published by MarketsandMarkets Pub. Date 2018/10/08
Price
USD 5650 PDF by E-mail (Single User License) ~
USD 10000 PDF by E-mail (Global License)

www.giiresearch.com/ce/721693

The global intelligent apps market size is expected to grow from USD 11.34 billion in 2018 to USD 46.98 billion by 2023, at a Compound Annual Growth Rate (CAGR) of 32.9% during the forecast period. Major growth factors for the market include increasing consumer expectation for rich contextual and personalized experience, and the growing use of smartphones driving the demand for greater business mobility. However, fragmentation in mobile operating systems may restrain the market growth. High cost of implementing AI solutions is a major challenge for the growing adoption of intelligent apps.

Enterprise apps to grow at a higher rate during the forecast period

The intelligent apps market by type includes consumer apps and enterprise apps. The enterprise apps segment is expected to grow at a higher CAGR during the forecast period. An increasing demand for optimized and secure mobility solutions among enterprises is driving the adoption of intelligent apps across verticals.


Published by BIS Research Inc. Pub. Date 2018/10/06
Price
USD 5000 Unprintable PDF by E-mail (Single User License) ~
USD 8000 Printable PDF and Excel by E-mail (Enterprise-wide License)

www.giiresearch.com/ce/719402

Transportation industry encompasses a wide range of operations within the value network. Private vehicle ownership and public transport system together make up for the majority of the market value. Transportation is a concept which is designed as per the policy implemented by government regulators/authorities in the region. Some of the important criteria which influence the underwriting of regulation for a region can be the socio-economic condition, commuter lifestyle, acceptance of technology, demographic conditions, infrastructure availability, and global economic conditions (such as fossil fuel prices, international trade agreements, environmental challenges, and financial health). The transportation industry is experiencing higher pressure due to the exponential growth in the size (area) and population density of urban cities. The future of transportation industry is digitalization of various operations to enable optimum utilization of resources. Mobility as a Service (MaaS) providers have established a strong foundation for the development of transportation service which can be integrated in multi-direction. MaaS market is a unified part of the global transportation industry. The market trends also suggest that MaaS market will become a leading value generator by the end of 2040.
Network Management System (NMS) Market by Component (Solutions (Standalone and Bundled), and Services), Deployment Type (Cloud and On-premises), End-Users (Verticals and Service Providers), Organization Size, and Region - Global Forecast to 2023

Published by MarketsandMarkets
Price
USD 7150 PDF by E-mail (Single User License) ~
USD 11000 PDF by E-mail (Global License)

The global NMS market size is expected to grow from USD 6.17 billion in 2018 to USD 10.20 billion by 2023, at a Compound Annual Growth Rate (CAGR) of 10.6% during the forecast period. The major growth drivers for the market include in-depth visibility into network security, the need of maintaining Quality of Experience (QoE) and Quality of Service (QoS), global growth of network infrastructure, and better optimization of business operations. However, the availability of free network management tools may restrain the market growth.

Large enterprises segment is expected to hold the largest market size during the forecast period

On the basis of organization size, the large enterprises segment is expected to hold the largest market size in the NMS market during the forecast period. Large enterprises, data centers, and service providers have rapidly started deployment of network management tools over networks to manage and analyze the network traffic and protect it against security attacks, such as malware, Distributed Denial of Service (DDoS), botnet, viruses, and worms. NMS solutions help large enterprises in improving the network performance, optimizing the network, reducing the operational costs and agile business processes, and minimizing the infrastructure complexity, thus gaining traction.

Virtual Reality, Artificial Intelligence, Robotics, Teleoperation, Telerobotics, and Supporting ICT Infrastructure 2018 - 2023

Published by Mind Commerce
Price
USD 3995 PDF (Single-User License) ~
USD 7995 PDF by E-mail (Global Enterprise License)

The future of Consumer, Enterprise, and Industrial products and services will be Virtual, Artificial, and Automated. Virtual Reality (VR), Artificial Intelligence (AI), and Robotics represent three powerful trends in ICT that will impact everything from the design, production, distribution, and management of goods and services to the way fundamental manner in which humans work, play, and generally interact with the world.

The combination of fifth generation (5G) cellular, Multi-access Edge Computing (MEC) and cloud technologies will provide substantial capacity, flexibility, functionality richness, and significantly faster response time. This will result in dramatically improved support for latency sensitive applications such as VR and other solutions that utilize immersive technologies such as Haptic Internet user interfaces.

The convergence of all of the above technologies, along with Teleoperation and Digital Twinning, will enable a level of control and flexibility previously unimaginable. The commercial expansion of Cloud Robotics offerings will democratize automation for enterprise, industrial, government, and consumer automation. Open platforms and APIs will enable robotics to be used on a more mass-market basis, untethered by proprietary networks, communications, and/or user interfaces.
Global Property Management Software Market 2018-2022

Property management software helps property managers manage their daily operations. These operations include tenant and lease tracking, accounting, and building maintenance. The software solution provides property managers a centralized platform to view all their properties. It also ensures the progress of other property-related operations such as supervising maintenance tasks and addressing the needs of tenants.

Technavio's analysts forecast the global property management software market to grow at a CAGR of 5.20% during the period 2017-2021.

Covered in this report

The report covers the present scenario and the growth prospects of the global property management software market for 2017-2021. To calculate the market size, the report presents a detailed picture of the market by way of study, synthesis, and summation of data from multiple sources.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Global E-Sports Market 2018-2022

The popularity of e-sports is increasing with the rising number of viewers. E-sports create an environment where viewers can experience playing the game. E-sports on a large scale is considered to be one of the most popular sports entertainment events in the world. On the global scenario, e-sports is a rapidly growing market and is likely to grow at a CAGR of 32.28%. In 2016, Dota 2 by Valve was the leading game in terms of revenue in the e-sports market. The Americas are the leading region and will also be the fastest-growing region for e-sports during the forecast period followed by APAC and EMEA. The US is the leading country for e-sports market.

Technavio's analysts forecast the global e-sports market to grow at a CAGR of 32.28% during the period 2017-2021.

Covered in this report

The report covers the present scenario and the growth prospects of the global e-sports market for 2017-2021. To calculate the market size, the report considers the revenue generated from tournaments excluding online advertisements.

MarketsandMarkets forecasts the global EPM enterprise performance management market size to grow from USD 7.28 billion in 2018 to USD 11.72 billion by 2023, at a Compound Annual Growth Rate (CAGR) of 10.0% during the forecast period. The major growth factors expected to drive the growth of the EPM enterprise performance management market include the demand for reducing operational costs, and adoption of cloud-based solutions, need to improve business performance and adoption of data-driven decision making, and need to make business strategies transparent to all employees. The lack of awareness and knowledge of EPM solutions among enterprises and competition from big EPM enterprise performance management software vendors are expected to restrain, however, could affect the adoption of the enterprise performance management EPM solutions in the emerging economies, which, in turn, may restrain the market growth.

**What Does USMCA (NAFTA 2.0) Mean for the Canadian ICT Sector?**

This IDC Market Perspective examines the newly signed United States-Mexico-Canada Agreement (USMCA) and analyses the implications for Canada's ICT sector. The trade pact has specific chapters on digital trade, telecommunications, and intellectual property, as well as a number of highly relevant clauses and annexes sprinkled into other chapters. "ICT vendors and buyers of technology and digital assets in Canada should be developing plans to ensure they're ready to course correct under the new USMCA trade agreement," says Nigel Wallis, VP, IDC Canada IoT and Industries

**TABLE OF CONTENTS**

- Executive Snapshot
- New Market Developments and Dynamics
- Advice for Technology and Services Suppliers
- IDC Canada's Point of View
- Learn More

This IDC study provides a review of the top 10 SI services vendors as ranked by total worldwide and U.S. SI services revenue. "The top 10 systems integration vendors benefited from the SI services spending revival in 2017 by shifting their offerings heavily toward fast-growing areas such as cloud, analytics, customer experience, and digital services overall. In addition, large vendors also continued to utilize an inorganic route to sustain market share dominance." - Ali Zaidi, research director, IT Consulting and Systems Integration Services Research

**TABLE OF CONTENTS**

- IDC Market Share Figure
- Executive Summary
- Advice for Technology Suppliers
- Market Share
- Who Shaped the Year
- Market Context
- Methodology
- Market Definition
- Related Research

---

**Digital Payment Market by Type (Solutions & Services), Solution Type (Payment Processing, Payment Gateway, Payment Wallet, POS Solution, Payment Security and Fraud Management), Deployment Mode, Organization Size, and Region - Global Forecast to 2023**

The digital payment market is estimated to be USD 38.00 billion in 2018 and is projected to reach USD 86.76 billion by 2023, at a CAGR of 18.0% during the forecast period. Major factors driving the growth of the digital payment market include initiatives undertaken for the promotion of digital payments, high proliferation of smartphones, and the need to provide improved customer service at POS terminals. On the other hand, lack of global standards for cross-border payments is a key factor expected to restrain the growth of the digital payment market.

The services segment is expected to grow at a higher CAGR during the forecast period.

Based on type, the services segment of the digital payment market is projected to grow at a higher CAGR during the forecast period as compared to the solutions segment. Digital payment vendors offer professional and managed services to plan, design, implement, and deploy digital payment solutions. Increase in the number of digital transactions in emerging economies is expected to increase the demand for digital payment services.
World OTT Markets - Report & Dataset: Markets & Forecasts up to 2022 - Fixed and Mobile Internet

Published by IDATE DigiWorld
Pub. Date 2018/10/04
Price
USD 4400 Web Access - PDF & Excel (Single Department License/1-5 Users) ~
USD 6600 Web Access - PDF & Excel (Group License/All Users)

www.giiresearch.com/ce/336710

This yearly observatory - report and dataset- provides a comprehensive worldwide and regional/country level market value database covering all principal OTT services for the period of 2013 to 2022.


These markets are also dissected from a business model angle, to include both paid revenues and advertising revenues from display formats including RTB

7 regions and 18 countries covered: World, Europe, EU5, Asia-Pacific; Middle East & Africa, North America, , Latin America - Brazil, Canada, China, France, Germany, India, Italy, Japan, Portugal, Russia, South Africa, South Korea, South Africa, Spain, Sweden, Switzerland, Turkey, United Kingdom, USA

The total telco services market is also provided as a means of comparison with the OTT services market

Focus on the principal Internet players: Alibaba, Amazon, Apple, Baidu, Facebook, Google, Microsoft, Tencent, including their revenues and platform strategies. Main OTT market trends and dynamics are also provided, including the key players, competition levels and IDATE DigiWorld's perspectives and outlook.

Global Online Baby Products Retailing Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)
Pub. Date 2018/10/04
Price
USD 2500 PDF by E-mail (Single user license) ~
USD 5000 PDF by E-mail (Global license)

www.giiresearch.com/ce/348011

The retailing of different types of baby products through online or e-commerce is considered as online baby products retailing. Online retail provides consumers with the convenience to purchase products of their choice online and payment options such as cash-on-delivery (COD), credit and debit cards, and Internet banking transactions. As online shopping eliminates the need to visit physical stores, this platform provides customers the convenience to purchase products from a wide variety of brands, without the constraint of time and location. The markets in Asia-Pacific (APAC) and Europe, the Middle East, and Africa (EMEA) exhibit high growth potential for the forecast period.

Technavio’s analysts forecast the global online baby products retailing market to grow at a CAGR of 17.35% during the period 2017-2021.
From punch cards, to keyboards, from mouse to touch screens, technologies have shaped the way how humans interact with machines. "Human-machine interface" (HMI) began as "computer interface". That is because early computers were not interactive and gradually "human-machine interface" became "human-machine interaction". "Interaction" is the first revolution that occurred in the development of human-machine interface. Now we are experiencing the transition to "natural user interface", which is considered to be the second revolution of HMI.

Machines/computers can interpret natural human communication and they communicate more like humans.

Compared with keyboards and mouses, touch is considered as a natural interaction. Apart from touch, audio and vision modalities can also provide new ways of interaction.

Focus on the protection of infrastructure from increasing instances of cyber-attacks and data breaches to drive the risk-based authentication market

The global risk-based authentication market size is expected to grow from USD 2.19 billion in 2018 to USD 5.41 billion by 2023, at a Compound Annual Growth Rate (CAGR) of 19.8% during the forecast period. Major growth factors for the market include enterprises’ increasing focus on protecting infrastructure from rising instances of cyber-attacks and data breaches and growing demand for mobility solutions and BYOD trend. However, the lack of skilled security professionals and preplanning in enterprises is a significant challenge for the market growth.

Solution segment to hold larger market size during the forecast period

The solution segment in the risk-based authentication market is expected to hold a larger market size during the forecast period. The risk-based authentication solutions help enterprises improve identity security and protect both corporate and individual data from potentially harmful identity theft.
Several small-scale 5G service "launches" have been announced in the Middle East and in the Nordic region. These are only available in very small geographical areas, with very limited availability of devices that customers can use; indeed, many would consider these to be precommercial. A wave of large-scale 5G deployments is due in the coming months, particularly in the U.S. before the end of 2018 and in South Korea in early 2019.

With these launches very much in mind, vendors are working hard to ensure that they are in a position to supply the billions of dollars' worth of radio access network (RAN) infrastructure that operators will need in order to deploy their 5G networks globally over the next decade. This is just the start of a 5G spending spree that will likely cost operators worldwide many tens of billions of dollars in the coming years.

Vendors have widely reported having to work much faster than they expected to develop working 5G technologies. Operators have asked for pre-standard versions that are capable of being upgraded as the standards evolve, enabling them to build out pilot and more recently precommercial networks. They have also had to demonstrate sensible upgrade paths from 4G Long Term Evolution (LTE) - hence the rise in "5G-ready" investments that have recently been announced, particularly in technologies such as massive multiple input/multiple output (MIMO), which works well to increase LTE capacity and will be a bedrock of 5G service capability.
Global Calibration Management Software Market 2018-2022

A calibration management software manages and stores all instrument data/calibration data, and triggers about the maintenance of instruments to enhance the quality of processes.

Technavio’s analysts forecast the global calibration management software market to grow at a CAGR of 5.39% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global calibration management software market for 2018-2022. To calculate the market size, the report considers the revenue generated from the use of calibration management software across several end-user industries.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio’s report, Global Calibration Management Software Market 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.
Cloud POS Market by Component, Organization Size, Application Area (Retail and Consumer Goods, Travel and Hospitality, Transportation and Logistics, Media and Entertainment, and Healthcare), and Region - Global Forecast to 2023

MarketsandMarkets expects the global cloud POS market size to grow from USD 1.34 billion in 2018 to USD 3.73 billion by 2023, at a CAGR of 22.7% during the forecast period. A fully featured cloud POS system helps enterprises in inventory tracking, analytics, sales monitoring and reporting, employee management, customer data management, mobile connectivity, and robust integrations. Concerns over security for cloud-based offerings may restrain the market growth.

Training, consulting, and integration segment to hold a larger market size during the forecast period

The training, consulting, and integration services include offering expert advisory services on queries related to cloud POS. Integration and software deployment services play an important role in the cloud POS market by providing custom product development. Moreover, support and maintenance services include ongoing customer support, feature enhancements, and software upgrades and technical improvements for the existing cloud POS software.

Security Assurance Market by Application (Business Applications, System & Network Infrastructure, and Mobility Solutions), Organization Size, Industry Verticals (BFSI, Telecommunications, Government, Healthcare), and Region - Global Forecast to 2023

The global security assurance market size is expected to grow from USD 3.53 billion in 2018 to USD 5.48 billion by 2023, at a Compound Annual Growth Rate (CAGR) of 9.2% during the forecast period. Security assurance is a modern approach to assess and manage IT security risks and vulnerabilities proactively. Security assurance services empower enterprises to timely detect, assess, and manage the security risks associated with mobile devices, business applications, and related technology environments. However, difficulty in providing hybrid cloud security is one of the major restraining factors faced by the security assurance vendors currently.

Among applications, the mobility solutions segment is expected to account for the larger market share during the forecast period

The mobility solutions segment is expected to account for the larger market share by 2023. Rapid growth in the number of mobile devices across the globe is one of the driving factors for the growth of this market.
**Full Multi-play Service Provision (quin-play+)**

Published by Mobile Market Development Ltd

USD 2800 PDF by E-mail (Single User License)

For an increasing number of mobile operators, traditional quad-play - the delivery of fixed and mobile voice, text and video services - is no longer sufficient to meet their business objectives and they are introducing additional communications-based services. These include mobile banking and insurance, health, smart homes, connected vehicles and digital (app-based) services.

Key to their success in these new areas of business is the ability to compete with non-telco service providers as well as other mobile operators.

To stand the greatest chances of success, MNOs need to understand the need they are addressing, build on their strengths and to be prepared to innovate and to invest for the longer term. In many cases this will mean choosing products and services that address their current target markets.

This report looks at a selection of major players and their activities in these new markets to establish how they have gone about entering them and what has contributed to their success.

**Global Wireless Infrastructure Test Equipment Market 2018-2022**

Published by TechNavio (Infiniti Research Ltd.)

USD 2500 PDF by E-mail (Single User License) ~ USD 5000 PDF by E-mail (Global License)

Wireless infrastructure test equipment is used to test network components, including base station towers, small cells, distributed antenna systems, and Wi-Fi systems, to ensure seamless wireless communication.

Technavio’s analysts forecast the global wireless infrastructure test equipment market to grow at a CAGR of 8% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global wireless infrastructure test equipment market for 2018-2022. To calculate the market size, the report considers the revenue generated from the sales of different products including network analyzer, spectrum analyzer, and signal generator.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA
Communication SPs (CSP) today face a new breed of challenges borne from fast-evolving and increasingly unfamiliar market environments. In response, they have implemented tactical solutions which have only partially addressed the demands of those environments. "As CSPs migrate from network-centric offerings to a broad range of services, their operational transformations must deliver automated, data-driven, agile solutions that position a CSP for a real-time, data-driven, and responsive future," says Hugh Ujhazy, associate VP, IDC Asia/Pacific Internet of Things.

TABLE OF CONTENTS

• Executive Snapshot
• New Market Developments and Dynamics
• Advice for the Services Provider
• Learn More

Language learning through the internet with the aid of devices like personal computers, smartphones, and tablets is referred to as online language learning. Audio and visual methods are used for this purpose and focus on learning through listening and speaking.

Technavio’s analysts forecast the Online Language Learning Market in the US to grow at a CAGR of 8.82% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the online language learning market in the US. To calculate the market size, the report considers the revenue generated from online language learning services in the US.

The market is divided into the following segments based on products:

• Course material
• Support
• Apps

Technavio's report, Online Language Learning Market in the US 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.
The global content marketing software market size is expected to grow from USD 4.12 billion in 2018 to USD 9.59 billion by 2023, at a Compound Annual Growth Rate (CAGR) of 18.4% during the forecast period.

Major growth drivers for the market include the growing adoption of content marketing software for personalized marketing, customer engagement, and social media, and an increasing use of omnichannel message for enhancing customer experience. However, lack of skills of marketers to analyze data from multiple sources may restrain the market growth.

Integration services segment to hold the largest market size during the forecast period

Integration services involve analyzing the organization’s need, understanding the operational functionalities of the existing systems, and integrating value-added features as per the specific requirements of marketing teams of the organization. Integration services enable marketers to work seamlessly and uninterrupted on the marketing platform and ensure that all the legacy systems work properly with the new content marketing platform.

This IDC study is a translation of the Japanese document IDC #JPJ42926418. It presents market shares analyses based on the vendors' revenue performances in the Japan unified communications and collaborative (UC&C) market in 2017. In analyzing and forecasting the market size, IDC divides the Japan UC&C market into four major solution segments. These segments are IP telephony market, collaborative applications market, IP conference systems market, and IP contact center systems market. In 2017, vendors focusing on software and cloud sales performed favorably in the market, which clearly shows the shift to software and cloud. "For future growth, it will be necessary for IT suppliers that enter the Japan unified communications and collaboration market to provide multicloud-based UC&C functions, as well as to utilize voice interface and natural language recognition and response," says Takashi Manabe, group director, IDC Japan.
Submarine Cable System Market by Application (Communication, Power), Component (Dry Plant, Wet Plant (Cables, Branching Units, Repeaters)), Offering (Installation & Commissioning, Maintenance, Upgrades), and Region - Global Forecast to 2023

The submarine cable system market is expected to grow from USD 11.74 billion in 2018 to USD 20.93 billion by 2023, at a CAGR of 12.25%. The growth of the submarine cable system market is propelled by the increasing internet traffic in APAC and growing number of internet users. However, factors such as entry barriers for start-ups and small-to-medium enterprises (SME) are restraining the market growth. Redundant links and natural and human-triggered activities pose major challenges for the players in the submarine cable system market.

"Market for submarine power cables expected to grow at highest CAGR from 2018 to 2023"

The market for power cables is estimated to grow at the highest rate during the forecast period. Increasing demand for electric energy on islands, along with disproportional costs of maintaining local electric energy production plants, has led to the significant production of submarine power cables to transfer electricity from the mainland to main grids. Thus, the need to connect new renewable sources to main grids and ensure the reliability of power supply to isolated islands will continue to boost the demand for high- and extra-high-voltage submarine power cables during the forecast period.

Digital TV & Video

In this ever-evolving sector, Juniper Research has produced its most comprehensive and in-depth study into the 'Digital TV & Video' market to date; examining consumer attitudes and intentions, as well as current market trends and strategic opportunities for both traditional networks and disruptive OTT players.

Juniper's Digital TV & Video research includes a consumer survey conducted in the Chinese, UK and US markets to ascertain attitudes to online streaming services such as Amazon Prime and Netflix. The research also analyses current broadcast and OTT opportunities, monetisation strategies, key players, and future developments.

This research suite comprises:

- Deep Dive Strategy & Competition (PDF)
- Consumer Survey: US, UK & China
- 5 Year Deep Dive Data & Forecasting (PDF & Excel)
- Executive Summary & Core Findings (PDF)
ABM Market by Account Type (Strategic ABM, ABM Lite, and Programmatic ABM), Component (Tools and Services), Deployment Model (On-Premises and Cloud), Organization Size (Large Enterprises and SMEs), Industry Vertical, and Region - Global Forecast to 2023

MarketsandMarkets expects the global ABM market size to grow from USD 651.9 million in 2018 to USD 1,196.9 million by 2023, at a Compound Annual Growth Rate (CAGR) of 12.9% during the forecast period. Major growth factors for the market include the focus on identifying the right audience, growth of social media and social advertising, and increased customer lifetime value. However, lack of awareness and reluctance to shift from traditional sales practices, and inaccuracies in the data sets could limit the market growth.

"Large enterprises segment to hold a larger market size by 2023"

Large enterprises are organizations with more than 1,000 employees. They have a wide corporate network and varied revenue streams. Large enterprises cater to customers located across the world, which requires them to efficiently manage content across multiple channels with cost-effective manner. Hence, large enterprises majorly adopt ABM solutions, as they have financial bandwidth to invest in innovative technologies to gain a competitive edge in the market.

Global High-throughput Satellite Market - Focus on Application (Broadband, Enterprise, Mobility, Government, Cellular Backhaul, Broadcast) and Subsystem: Analysis and Forecast, 2018-2023

The global high-throughput satellite market has exhibited a high growth in the recent past. Currently, the space industry is at the cusp of a major revolution, as a large number of HTS are expected to be launched in the next five years. The HTS market has witnessed a high growth rate owing to the growing need for network connectivity, rise in the demand for high-throughput satellite constellations, and increase in the deployment of high-throughput satellites for commercial end users. The recent innovations in satellite equipment and services enable the HTS technology to reach a wider segment of consumers in the industry. HTS deliver much higher capacity than do traditional satellites at a mere fraction of the cost. This is made possible because HTS are based on spot beam technology, which enables frequency re-use across multiple narrow-focused spot beams. High-throughput satellites offer unique advantages and have a huge potential to serve various application areas such as enterprise network, government, and cellular backhaul, among others.
Cloud Infrastructure Services Market by Service Type (Storage as a Service, Compute as a Service, Disaster Recovery and Backup as a Service), Deployment Model, Organization Size, Vertical, and Region - Global Forecast to 2023

The global cloud infrastructure services market size is expected to grow from USD 30.00 billion in 2018 to USD 81.29 billion by 2023, at a Compound Annual Growth Rate (CAGR) of 22.1% during the forecast period. Governments' increasing investments in digital transformation, increased awareness among enterprises about the benefits of cloud and its technologies, and business continuity requirements resulting in high demand for cloud storage, disaster recovery, and backup services are major growth drivers for the market. However, stringent government regulations, limited bandwidth providers, and lack of access to high-speed internet may affect the market growth.

Storage as a service segment to hold largest market size in 2018:

Enterprises use storage as a service to mitigate the risks of disasters and enhance business continuity and availability. These services provide self-service portals that allow the provision of storage, transfer of data to different tiers of storage, and the option to add or remove storage as needed. To address the security needs of enterprise data, cloud-based storage offers security controls to ensure that all the data is stored securely in data center facilities and is available for quick access.

Tower Infrastructure Service Providers as Future Enablers of the 5G Mobile Edge

Tower infrastructure service providers evolved in Asia/Pacific originally for the sole purpose of reducing opex and capex at the communications service providers. In some countries, such as India, Malaysia, and Indonesia, the towercos have done exactly that. With the establishment of China Tower in the PRC, a new business model has emerged in which a state-owned entity manages and operates 96% of the nation's cellular towers and rooftops. "The almost guaranteed stability of cash flows means that the MNOs will have more capital to invest in 5G small cells and 5G RAN and packet core, which will further accelerate the 5G deployment plans of the PRC," says Bill Rojas, adjunct research director, IDC Asia/Pacific. "In many of the larger subscriber markets in Southeast Asia and South Asia, the towerco and fiberco business models can be expected to flourish as 4G LTE coverage is improved and the path to 5G becomes clearer," he added.
Global Cloud Gaming Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)
Price
USD 2500 PDF by E-mail (Single user license) ~
USD 5000 PDF by E-mail (Global license)

Cloud gaming is a form of online gaming in which the gamers can play a game via internet-connected devices for free or by paying a subscription fee. The game is stored, executed, and rendered on the remote servers or game company’s servers.

Technavio’s analysts forecast the Global Cloud Gaming Market to grow at a CAGR of 30.48% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global cloud gaming market. To calculate the market size, the report considers the revenue generated based on the type of cloud gaming, which includes video and file streaming.

The market is divided into the following segments based on geography:

• Americas
• APAC
• EMEA

Technavio’s report, Global Cloud Gaming Market 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.
Case Study: Verizon's 5G mmWave Fixed-Wireless Deployment and Commercial Service Launch

Published by Analysys Mason
Price USD 4999 PPTX and PDF by E-mail (Single User License)
Pub. Date 2018/10/01

"Verizon's choice to deploy mmWave fixed-wireless reflects both the relatively high FTTH roll-out costs and the comparatively lower mmWave roll-out costs."

Due to low competitive intensity and generally high prices, the US fixed broadband market presents opportunities for Verizon to expand its coverage footprint. To address these opportunities, Verizon and partners have collaborated to deploy 5G fixed-wireless access (FWA) using mmWave spectrum.

This case study provides:

- an introduction to the US fixed broadband market environment and Verizon's position in it
- an overview of the motivation behind Verizon's mmWave fixed-wireless access deployment
- implementation details of Verizon's mmWave fixed-wireless access deployment
- a presentation of the mmWave fixed-wireless access commercial offer.

Cable's Fiber Outlook Gets Clearer With Coherent Optics

Published by Heavy Reading
Price USD 2495 PDF By E-mail (Includes Corporate Access)
Pub. Date 2018/09/30

Just when you think that cable Internet speed can't get any faster, along comes something to boost it higher. In cable's case, it's not only the capacity for 1 Gbit/s now, but soon 10 Gbit/s and then perhaps a whopping 100 Gbit/s. These mind-boggling levels are being fueled by new efforts to increase capacity and efficiency in cable transport networks.

Cable architecture is continuing to evolve and push more capability to the network edge. Recent efforts include the ascension of coaxial connections to 1 Gbit/s courtesy of DOCSIS 3.1 (D3.1), taking fiber deeper into the network and migrating to distributed access architecture (DAA), including remote PHY. Now, the latest move is to utilize coherent optics technology in the fiber access network to increase capacity by 10 times.

Cable's coherent optics effort isn't intended to provide extremely high-speed Internet connections for residential users, so don't expect 100 Gbit/s of broadband to crash through your front door anytime soon. The initiative is primarily designed to produce higher performance and greater efficiency in fiber transport networks, enabling new routing scenarios at the network edge. While implementing coherent is expensive in the near term, the long-term goal is to drive down costs of transceivers and other technology so that moving data, including massive amounts of television programming and IP video, becomes more flexible and cheaper.
White-Box Servers: The Next Phase of Software-Defined Compute, Storage, and Networking Infrastructure

Published by IDC
Price
USD 4500 PDF by E-mail (Single User License)
www.giiresearch.com/ce/711765

This IDC Perspective assesses trends in the white-box server landscape. The growing appetite for enterprise firms, large and small, to shift to a modular, do-it-yourself, software-defined infrastructure is creating opportunities for a well-defined class of "white box" infrastructure solutions: general-purpose compute, storage, and networking hardware platforms that are built with industry-standard off-the-shelf components (COTS) and delivered as unbranded equipment. "White-box infrastructure represents an interesting space in between branded and custom hardware procurements, one that provides an opportunity for both traditional OEM suppliers and newer ODM suppliers to expand," said Ashish Nadkarni, group VP, Infrastructure Systems, Platforms, and Technologies at IDC.

Using Digital Transformation KPIs to Enhance Employee Performance

Published by IDC
Price
USD 4500 PDF by E-mail (Single User License)
www.giiresearch.com/ce/711757

This IDC Perspective supports DX performance with a pragmatic, actionable discussion of performance management. The study shows how to use a digital transformation (DX) project's key performance indicators (KPIs) to create employee goals and performance criteria and provides a detailed list of KPIs based on IDC's five-part DX performance framework. This approach supports DX project and employee alignment, promotes easier digital transformation project user adoption, and increases stakeholder mindshare and support. It also enhances team motivation and organizational productivity. "Digital transformation KPIs are a key ingredient in the performance management process," says Eric Bloom, adjunct analyst with IDC's IT Executive Programs (IEP). "Stakeholders, IT, human resources, and training organizations can work together to integrate digital transformation projects' KPIs into the employee performance measurement process."

The Growth and Maturity of Mobility as a Service: Opportunities and Challenges for Automotive Technology Suppliers

Published by IDC
Price
USD 4500 PDF by E-mail (Single User License)
www.giiresearch.com/ce/711764

This IDC Market Perspective looks at the mobility as a service (MaaS) ecosystem including performing a comprehensive analysis of its three main service categories: ride-sharing, car-sharing, and micro-mobility services. This document also provides an overview of MaaS providers, evaluates the challenges for future MaaS growth, identifies notable innovation and investments, and clarifies the opportunities for automotive manufacturers and technology suppliers. "The mobility-as-a-service market is too large and influential to be ignored by the legacy automotive ecosystem," says Matt Arcaro, research manager, Next Generation Automotive at IDC. "These legacy companies need to develop a comprehensive game plan and investment strategy now to be able to maximize the benefit from this market's growth."
**IDC MaturityScape Benchmark: Autonomous Mobile Robots in the Warehouse and Fulfillment Center in the United States, 2018**

Published by IDC  
Price  
USD 4500 PDF by E-mail (Single User License)  
www.giiresearch.com/ce/711752

This IDC study presents the results of IDC's 2018 Autonomous Mobile Robots in the Warehouse and Fulfillment Center MaturityScape Benchmark Survey and should be viewed as a supplement to IDC MaturityScape: Autonomous Mobile Robots in the Warehouse and Fulfillment Center 1.0. Together, they provide a comprehensive overview of IDC's autonomous mobile robots in the warehouse and fulfillment center maturity model.

This document enables organizations to: Assess the current state and readiness of their AMR in the warehouse and fulfillment center policies and procedures. Benchmark AMR use and policy maturity against the maturity level of peers. Uncover maturity gaps and identify areas in need of improvement to support AMR best practices. "Autonomous mobile robots today are helping organizations adapt to the constantly evolving demands on their warehouses and fulfillment centers by improving productivity, increasing efficiency, reducing cost, and enabling scalability," says John Santagate, research director, IDC's Commercial Service Robotics.

---

**IDC MeasureScape: Critical KPIs for Smarter Datacenter Facilities**

Published by IDC  
Price  
USD 4500 PDF by E-mail (Single User License)  
www.giiresearch.com/ce/711754

This IDC MeasureScape helps organizations develop new metrics to measure the effectiveness and operational efficiency of datacenter resources. Leadership in IT, building and facility management, and networking/connectivity roles can use these KPIs to measure their progress toward supporting business innovation and coordinating resources. "Resilient, reliable, and transparent datacenter resources are the basis for supporting digital transformation initiatives, which require organizations to protect, store, analyze, and leverage data in multiple locations. Gaining the most out of datacenter investments and knowing the business value these resources deliver are now core capabilities for IT leadership," says Jennifer Cooke, research director, Datacenter Management.
**Worldwide Mobile Phone and Smartphone Installed Base Forecast, 2018-2022**

*Published by IDC  
*Price: USD 4500 PDF by E-mail (Single User License)  
*Pub. Date 2018/09/28  
*www.giiresearch.com/ce/711774

This IDC study analyzes the installed base of smartphone users across the globe by operating system (OS). It combines IDC's extensive knowledge of smartphones, smartphone users, subscribers, subscriber growth, and challenges and opportunities for different OSs. The document also covers the worldwide installed base of feature phone users. Findings in this document are based on information gathered from primary and secondary sources during the past six months. "Although feature phones have been in sharp decline regarding shipments over the past few years, they still make up a relative size of the installed base, particularly in emerging markets within Asia and Africa," says Anthony Scarsella, research manager for IDC's Mobile Phones team. "The ultra-low-cost feature phone still plays a vital role in many big markets such as India, Indonesia, and Nigeria where smartphones still can't be afforded by most consumers. Within these markets, feature phones make up around 50% the mix or higher in the installed base. By 2022, the last year of our forecast, feature phones will control just over 43% of the installed base within these three fast-growing markets."

---

**IDC's Worldwide Storage Software Taxonomy, 2018**

*Published by IDC  
*Price: USD 4500 PDF by E-mail (Single User License)  
*Pub. Date 2018/09/28  
*www.giiresearch.com/ce/711777

This IDC study provides a detailed description of IDC’s storage software market taxonomy. The taxonomy is made up of five functional markets grouped within the secondary market segment called storage software. "IDC’s storage software taxonomy represents a collectively exhaustive and mutually exclusive view of the worldwide storage software marketplace. Reading this taxonomy will provide a detailed understanding of how IDC classifies and counts the many parts of the storage software market," said Andrew Smith, senior research analyst, Storage Software.

TABLE OF CONTENTS

- IDC's Worldwide Storage Software Taxonomy
- Storage Software Taxonomy Changes for 2018
- Taxonomy Overview
  - Definitions
  - Learn More
Incentivizing Whole Home Energy Efficiency

Published by Parks Associates
Price
USD 7500 PowerPoint File By E-mail (Corporate License - One Location)
www.giiresearch.com/ce/702278

Energy efficiency programs have the opportunity to accelerate adoption of energy efficient products, extending beyond smart thermostats to include many smart product categories. This research quantifies price sensitivity of demand for smart products and quantifies the opportunity for energy providers to expand energy efficiency programs.

ANALYST INSIGHT:

"This research quantifies free ridership and the influence of incentives on buying behaviors of product categories including HVAC equipment, water heaters, pool pumps, and smart thermostats. It examines the impact of combined EE/DR programs, and preferences for different incentive structures including instant or mail in rebates and financing." - Tom Kerber, Director, IoT Strategy, Parks Associates.

Blockchain in Manufacturing Market by Application (Business Process Optimization, Logistics and Supply Chain Management, Counterfeit Management), End Use (Automotive, Energy & Power, Industrial, Pharmaceuticals), and Region - Global Forecast to 2025

Published by MarketsandMarkets
Price
USD 5650 PDF by E-mail (Single User License) ~
USD 10000 PDF by E-mail (Global License)
www.giiresearch.com/ce/712881

The blockchain in manufacturing market is expected to be worth USD 30.0 million by 2020 and USD 566.2 million by 2025, growing at a CAGR of 80.0% from 2020 and 2025. Key factors driving the growth of the blockchain in manufacturing market include blockchain-as-a-service (BaaS) solutions for enterprises; simplifying business processes and affording transparency and immutability; significant increase in venture capital investments and initial coin offerings (ICO); increasing demand for real-time data analyses, enhanced visibility, and proactive maintenance; increased emphasis on energy efficiency and cost of production; convergence of operational technology (OT) and information technology (IT); AI, IoT, blockchain and the future of manufacturing industry; and increase in global blockchain-related patent filings. Strategies such as product launches and developments, agreements, collaborations, joint ventures, and partnerships adopted by market players are fueling the growth of the blockchain in manufacturing market. However, uncertain regulatory landscape and absence of common set of standards are restraining the growth of the blockchain in manufacturing market.
**Worldwide Contact Center Applications Market Shares, 2017: Cloud-Based Products Continue Slow Transition**

Published by IDC  
Price  
USD 4500 PDF by E-mail (Single user license)

This IDC study examines the worldwide contact center applications market for 2015-2017. Revenue and market share of the leading vendors are provided for 2017. "Customer experience is a key motivator for many digital transformation initiatives. New customer models and reducing friction in communications are top priorities," said Mary Wardley, VP, CRM Applications and Customer Experience. "To enable these capabilities, a cloud-based platform is essential."

**TABLE OF CONTENTS**

- IDC Market Share Figure  
- Executive Summary  
- Advice for Technology Suppliers  
- Market Share  
- Who Shaped the Year  
- Market Context  
- Methodology  
- Market Definition  
- Related Research

---

**Global Distributed Fibre Optic Sensing Industry Research Report, Growth Trends and Competitive Analysis 2018-2025**

Published by QYResearch  
Price  
USD 5600 PDF by E-mail (Single User License) ~ USD 11200 PDF by E-mail (Enterprise Wide License)

This study focuses on the production side and consumption side of Distributed Fibre Optic Sensing, presents the global Distributed Fibre Optic Sensing market size by manufacturers, regions, type and application, history breakdown data from 2013 to 2018, and forecast to 2025.

In terms of production side, this report researches the Distributed Fibre Optic Sensing capacity, production, value, ex-factory price, growth rate, market share for major manufacturers, regions (or countries) and product type.

In terms of consumption side, this report focuses on the consumption of Distributed Fibre Optic Sensing by regions and application. The key regions like North America, Europe, Asia-Pacific, Central & South America, Middle East and Africa etc.

The Distributed Fibre Optic Sensing market was valued at Million US$ in 2017 and is projected to reach Million US$ by 2025, at a CAGR of during the forecast period. In this study, 2017 has been considered as the base year and 2018 to 2025 as the forecast period to estimate the market size for Distributed Fibre Optic Sensing.
Digital storytelling is a method of narrating stories using various digital multimedia such as images, audio, and video. Digital stories are used as an expressive medium in the classrooms to integrate subject matter with existent knowledge and skills from across the curriculum.

Technavio’s analysts forecast the Global Digital Storytelling Courses Market to grow at a CAGR of 6.06% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the digital storytelling courses market. To calculate the market size, the report considers the revenue generated from the sales of digital storytelling courses across the globe.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio’s report, Digital Storytelling Courses Market 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.
**Blockchain in Agriculture Market (and Food Supply Chain), Application (Product Traceability, Payment and Settlement, Smart Contracts, and Governance, Risk and Compliance Management), Provider, Organization Size, and Region - Global Forecast to 2023**

Published by MarketsandMarkets

Price
USD 5650 PDF by E-mail (Single User License) ~
USD 10000 PDF by E-mail (Global License)

The global blockchain in agriculture and food supply chain market is estimated to be valued at USD 60.8 million in 2018 and is projected to reach USD 429.7 million by 2023, at a CAGR of 47.8% during the forecast period. Blockchain technology is revolutionizing the food and agriculture sectors by enhancing the decision-making capabilities of organizations. According to the FAO, every year about one-third of the food produced globally is wasted, which calls for a need to estimate and manage the actual supply and demand of food products so that these products reach the needy. These issues can be easily and efficiently tackled by effectively using the blockchain network. The blockchain market is expected to grow, owing to the increase in the demand for supply chain transparency along the agriculture and food verticals. According to the 2016 Label Insight Food Revolution Study, about 94% of the respondents in the study expressed the importance of buying from manufacturers who are transparent. This has driven off the market for blockchain in agriculture and food supply chain. Another major driver of the blockchain market is the growing number of food fraud cases. According to the Grocery Manufacturers Association (GMA) (2014), the estimated food fraud cases cost USD 49.0 billion to the global food industry annually.

**The Impact of Voice on the Smart Home**

Published by Parks Associates

Price
USD 7500 PowerPoint File By E-mail (Corporate License - One Location)

Voice provides frictionless access to the vast computing and information resources on the Internet and will be an essential part of the smart home of the future. Therefore, manufacturers and service providers must decide what voice-enabled use cases, products, and services will provide the greatest consumer benefit. This research quantifies the opportunity for voice integration and broader voice-enabled services for smart home products and services.

ANALYST INSIGHT:

“Ultimately, voice control is a smart home enabler - and future adoption of particular smart home products will hinge on their ability to integrate into a connected ecosystem driven by voice as the standard point of interaction. Integrating voice technology with solutions that support central needs such as low-battery consumption and low latency will drive voice in the smart home forward.” - Dina Abdelrazik, Research Analyst, Parks Associates.
**Global Industrial Maintenance Management Software Market 2018-2022**

Published by TechNavio (Infiniti Research Ltd.)

Price
USD 2500 PDF by E-mail (Single User License) ~
USD 5000 PDF by E-mail (Global License)

Industrial maintenance management software is designed to help businesses track, organize, and collect data that would be useful for making maintenance-related business decisions.

Technavio's analysts forecast the global industrial maintenance management software market size to reach USD 6.2 billion by 2022.

**Covered in this report**

The report covers the present scenario and the growth prospects of the global industrial maintenance management software market. To calculate the market size, the report considers the deployment of industrial maintenance management software on-premises and on cloud-based servers.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio's report, *Global Industrial Maintenance Management Software Market 2018-2022*, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.
LPWAN Market Report 2018-2023
Published by IoT Analytics GmbH
Pub. Date 2018/09/27
Price
USD 3000 PDF (Single User License) ~
USD 6000 PDF & Excel/All deliverables (Enterprise Premium License)
www.giiresearch.com/ce/710671

Industry Market Report examining the Low-Power Wide-Area Networks (LPWAN) space. Including:

- Market size & outlook 2017-2023, by technology, spectrum type, deployment type, revenue type, market segment and region
- Technical analysis of 7 major LPWAN technologies
- Overview of 16 other technologies related to LPWAN
- List of 150+ key vendors active in the LPWAN space
- Detailed analysis of 37 key use cases over 9 market segments
- 10 examples of successful deployments of LPWAN Technologies

Low-Power Wide-Area Networks (LPWANs) are a set of emerging wireless technologies designed to provide low-power, long-range connectivity to massive numbers of IoT devices at low cost. As such, they complement existing wireless technologies in addressing the wide range of requirements of IoT use cases and applications.

This 260-page report examines the LPWAN market in details providing a market sizing & outlook by region, by technology and by application until 2023 and highlighting some of the most important market trends. In addition, it contains insights on the technical capabilities of different LPWAN technologies, their business models and ecosystem and their main application scenarios.

North America Video Streaming Software Market By Component (Solutions and Services), By Streaming Type (Video On-demand Streaming and Live Streaming), By Deployment Type, By End User, By Country, Competition Forecast & Opportunities, 2013-2023
Published by TechSci Research
Pub. Date 2018/09/27
Price
USD 3700 Unprintable PDF by E-mail (Single User License) ~
USD 8000 Printable & Editable PDF by E-mail (Multi-User License)
www.giiresearch.com/ce/718361

According to "North America Video Streaming Software Market By Component, By Streaming Type, By Deployment Type, By End User, By Country, Competition Forecast & Opportunities, 2013-2023" video streaming software market is projected to grow at a CAGR of more than 23% by 2023, on the back of rising development across mobile and broadband infrastructure and enhanced audio and video compression techniques. Moreover, increasing network bandwidth in order to fulfill growing demand among users to view videos on multiple screens, growing deployment of video analytics as well as artificial intelligence for enhancing user experience and rising deployment of video streaming across education sector is further expected to steer growth in North America video streaming software market during the forecast years. North America video streaming software market is controlled by these major players, namely - Brightcove, Inc., Ooyala, Inc., IBM Corporation, Kaltura, Inc., Haivision Systems, Inc. Panopto, Inc., Wowza Media Systems, LLC, Vbrick, Inc., Muv LLC and Vimeo LLC. "North America Video Streaming Software Market By Component, By Streaming Type, By Deployment Type, By End User, By Country, Competition Forecast & Opportunities, 2013-2023" discusses the following aspects of video streaming software market in North America:
According to "Asia-Pacific Video Streaming Software Market By Component, By Streaming Type, By Deployment Type, By End User, By Country, Competition Forecast & Opportunities, 2023" video streaming software market is expected to grow at a CAGR of more than 26% by 2023, on account of rising user base of smart devices, internet, etc., along with enhancement of telecom infrastructure with declining data prices as well as launch of 2G/3G/4G services across Asia-Pacific. Moreover, increasing number of online banking transactions on account of growing e-commerce and m-commerce sector, and rising inclination of consumers towards internet surfing on handheld devices for watching videos is further expected to boost Asia-Pacific video streaming software market in the coming five years. Some of the major players operating in Asia-Pacific video streaming software market include Brightcove, Inc., Ooyala, Inc., IBM Corporation, Kaltura, Inc., Haivision Systems, Inc., Panopto, Inc., Vbrick, Inc., and Muvi LLC. "Asia-Pacific Video Streaming Software Market By Component, By Streaming Type, By Deployment Type, By End User, By Country, Competition Forecast & Opportunities, 2023" discusses the following aspects of video streaming software market in APAC:

According to "South America Video Streaming Software Market By Component, By Streaming Type, By Deployment Type, By End User, By Country, Competition Forecast & Opportunities, 2013-2023" video streaming software market is projected to grow at a CAGR of more than 24% by 2023. Growth in the market can be attributed to rising penetration of smart devices, internet and growing demand for online video streaming across South America. Moreover, increasing live streaming to view events, sports, etc., growing installation of video analytics across various sectors, and rising penetration of various video streaming software providers across the region is expected to further boost South America video streaming software market in the coming five years. IBM Corporation and Kaltura, Inc. are among the leading players operating in South America video streaming software market. "South America Video Streaming Software Market By Component, By Streaming Type, By Deployment Type, By End User, By Country, Competition Forecast & Opportunities, 2013-2023" discusses the following aspects of video streaming software market in South America:
This IDC study is a translation of the Japanese document. The report analyzes the current IoT spending and forecasts the spending on the IoT market from 2018 to 2022 for the four technology groups, namely hardware, connectivity, software, and service; which are further divided into 11 technical elements, while focusing particularly on the "key use cases (a total of 35 applications)" as defined by IDC. This study also provides recommendations to vendors engaged in the IoT business. "Vendors, together with businesses, must fundamentally review the ideal key performance indicator and methods for security measures for Internet of Things. They must also enhance their ability to approach both the IT department and line of business departments; and at the same time, make efforts to deepen mutual understanding between both departments," says Yuta Torisu, senior analyst, Communications, IDC Japan.

According to "Europe Video Streaming Software Market By Component, By Streaming Type, By Deployment Type, By End User, By Country, Competition Forecast & Opportunities, 2023" video streaming software market is expected to surpass $ 2.6 billion by 2023, on the back of shift from traditional broadcasting platforms to online broadcasting platform and rising deployment of technologically advanced video streaming solutions across the region. Moreover, various broadcasters are now focusing on providing advanced technology broadcasting formats which is positively influencing Europe video streaming market. Additionally, growing deployment of video analytics as well as artificial intelligence for enhancing user experience coupled with rising OTT penetration across the region is further expected to boost Europe video streaming software market in the coming five years. Europe video streaming software market is controlled by these major players, namely Brightcove Inc., Ooyala Inc., IBM Corporation, Kaltura Inc., Haivision Systems Inc., Panopto Inc., Wowza Media Systems LLC, Vbrick Inc., and Muvi LLC. "Europe Video Streaming Software Market By Component, By Streaming Type, By Deployment Type, By End User, By Country, Competition Forecast & Opportunities, 2023" discusses the following aspects of video streaming software market in Europe:
Middle East & Africa Video Streaming Software Market By Component (Solutions and Services), By Streaming Type (Video On-demand Streaming and Live Streaming), By Deployment Type, By End User, By Country, Competition Forecast & Opportunities, 2013-2023

According to "Middle East & Africa Video Streaming Software Market By Component, By Streaming Type, By Deployment Type, By End User, By Country, Competition Forecast & Opportunities, 2013-2023" video streaming software market is projected to surpass $1 billion by 2023, on account of rising penetration of smart devices and internet across the region. Moreover, increasing adoption of video streaming software solutions across enterprises coupled with booming Over The Top (OTT) market is augmenting the demand for enhanced online video streaming services. Additionally, developments in broadband and telecom infrastructure are further expected to fuel growth in Middle East & Africa video streaming software market in the coming five years. "Middle East & Africa Video Streaming Software Market By Component, By Streaming Type, By Deployment Type, By End User, By Country, Competition Forecast & Opportunities, 2013-2023" discusses the following aspects of video streaming software market in MEA:


Owners and occupants of small and medium-sized buildings have not been aggressive adopters of Internet of Things (IoT) technologies. They have been laggards compared to enterprises that occupy large commercial buildings and residential customers who have embraced IoT. But there are signs of new growth beyond the early adopters as increasingly compelling IoT products and services come to market and strong use cases for small and medium-sized buildings become more apparent.

Among the key market drivers are prices that continue to drop for IoT hardware and vendors that are willing to bundle solutions for use cases that provide benefits to the building owners and tenants. Prices for data processing and analytics related to IoT solutions have dropped as well. Other drivers of adoption include viable use cases for small and medium-sized buildings. For example, a well-designed IoT-enabled lighting or HVAC system can produce double-digit energy savings for a tenant or building owner. The payback might not be immediate, but over the course of a few months or a year, the savings can be apparent.
Worldwide Cloud System Management Software Market Shares, 2017: Strong Growth Continues

This IDC study discusses 2017 vendor market shares and market activity across the worldwide cloud system management software market, a submarket of IDC's IT system and service management (ITSSM) software market. Vendor market shares for the full ITSSM market are published in Worldwide IT System and Service Management Software Market Shares, 2017: First Look. "IDC estimates that vendor revenue in the worldwide cloud system management software and SaaS market grew 18% in 2017 to exceed $4 billion," according to Stephen Elliot, program vice president, Management Software and DevOps. "Growth in this market is driven by the need to manage performance, capacity, costs, end-user experience, and automated operations across hybrid cloud and multicloud environments. Enterprise use of multicloud architectures is rapidly transforming the way enterprise infrastructure and operations and associated development teams provision, configure, monitor, and optimize digital business services for employees, customers, and partners."

Global Transactional and Marketing Emails Market 2018-2022

Transaction emails contain information or content that pertains to a transaction and are triggered as a response. Marketing emails contain information that could lead to a portable transaction between businesses and the recipients.

Technavio’s analysts forecast the Global Transactional and Marketing Emails Market to grow at a CAGR of 9.02 during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global transactional and marketing emails market. To calculate the market size, the report considers the revenue generated from the transactional and marketing email services by vendors.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio’s report, Global Transactional and Marketing Emails Market 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.
Global Turbine Monitoring and Controls Market 2018-2022

Turbine monitoring and controls provide comprehensive automation functions, automated monitoring, electrical solutions, process engineering and modern instrumentation and control (I&C) system, fully integrated into the unit control.

Technavio’s analysts forecast the global turbine monitoring and controls market to grow at a CAGR of 4.99% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global turbine monitoring and controls market for 2018-2022. This industry research report provides a detailed analysis of the market by application (gas turbine, wind turbine, steam turbine, and hydro turbine).

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio’s report, Global Turbine Monitoring and Controls Market 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.


Innovation is recharging the mature speech analytics market. Advanced AI-enabled technologies, including supervised, semi-supervised and unsupervised machine learning, as well as predictive analytics, are being added to speech analytics offerings. These enhancements are fueling interest in speech analytics and accelerating sales of new and replacement solutions.

An essential application for reimagining the service experience

Enterprises are seeking tools to help them understand and address customer needs more quickly and accurately. Today’s speech analytics solutions give enterprises valuable first-hand access to the voice of the customer (VoC). Speech and text analytics provide essential input into the customer journey analytics (CJA) process by capturing and converting spoken and written interactions into structured data for analysis. The derived insights can help identify the actions required to expedite resolution of customer challenges, minimize impacts, and enhance the customer experience and relationship with the enterprise. The result is a better understanding of customer preferences, the ability to anticipate customer behavior and needs, more successful and satisfying transactions, and a personalized customer journey.
**Global Smart Wireless Propane Tank Meter Market 2018-2022**

Published by TechNavio (Infiniti Research Ltd.)

Price
USD 2500 PDF by E-mail (Single User License) ~
USD 5000 PDF by E-mail (Global License)

A smart wireless propane tank meter is a propane tank metering system that consists of a gauge reader and transmitter that communicates tank level data wirelessly. The device enables its users to monitor their tank's propane fill level through a smartphone application or a web portal.

Technavio's analysts forecast the Global Smart Wireless Propane Tank Meter Market to grow at a CAGR of 8.22% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the smart wireless propane tank meter market. To calculate the market size, the report considers the sales of smart wireless propane tank meters across the globe.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

---

**5G: Fixed Wireless - An Early 5G Use Case**

Published by GlobalData

Price
USD 3495 PDF by E-mail (Single User License) ~
USD 10485 PDF by E-mail (Global License)

"5G: Fixed Wireless - An Early 5G Use Case", a research report by GlobalData, examines the 5G fixed wireless (FWA) use cases for telcos. Leveraging primary and secondary research, the report provides an overview of the 5G FWA environment and assessment of the telcos initiatives to launch 5G FWA services.

Operators in some markets are competing to be first to market with commercial 5G. Fixed-wireless access (FWA) offers a way for operators to begin offering 5G services ahead of full standards and the availability of 5G-enabled mobile devices. 5G FWA offers a stepping stone to future mobile 5G use cases, and future converged networks. The lessons learned from deploying 5G FWA can be leveraged for future 5G use cases.

The report is structured as follows -

- Section 1: Introduction - 5G Fixed Wireless Access (FWA); this section provides an introduction to the 5G FWA landscape
- Section 2: 5G FWA Considerations and Use Cases; this section looks at various technical, business, and market factors that influence 5G FWA use cases
- Section 3: Case Studies; this section analyses Verizon and AT&T’s 5G initiatives
- Section 4: Key findings and recommendations; we conclude the report with a set of key findings, critical considerations, and recommendations.
Service Analytics Market by Business Application (Customer Service Analytics, Field Service Analytics, and IT Service Analytics), Component (Solution and Services), Deployment Model, Organization Size, Industry, and Region - Global Forecast to 2023

The global service analytics market is expected to grow from USD 546.4 million in 2018 to USD 1,056.1 million by 2023, at a Compound Annual Growth Rate (CAGR) of 14.1% during the forecast period. Factors, such as the need for better client and customer interaction to maintain customer satisfaction coupled with the competitive pressure to become more data-driven are driving the growth of the service analytics market. Industrial big data is leading to the explosion of data, which is difficult to manage, as it is collected from multiple systems, devices, and applications. Hence, it has become necessary for engineering industries to replace their outdated software solutions with the advanced service analytics solutions. The poor data management along with the incomplete and inconsistent data, which carries threats to business are some factors that are challenging the growth of the service analytics market.

Urgent Care Apps Market by Type (Emergency Care Triage Apps, In-hospital Communication Apps, Post-hospital Apps (Nurse Communication Apps, Rehab Apps, Medication Management Apps)), Clinical Area (Stroke, Trauma, STEMI) - Global Forecast to 2023

The urgent care apps market is expected to reach USD 2,515.1 million by 2023 from USD 446.8 million in 2018, at a CAGR of 41.3%. The growth of this market is influenced by a number of factors, such as the increasing penetration of smartphones, growing penetration of 3G and 4G networks, rising focus on patient-centric healthcare delivery, and the benefits offered by urgent care apps. However, the wide usage of consumer instant messaging apps, poor internet connectivity in several countries, and the high volume of miscategorized apps on Android and Apple stores are the major factors that are expected to restrain the growth of this market during the forecast period.

"The post-hospital apps is expected to register the highest CAGR during the forecast period."

On the basis of type, the global urgent care apps market is segmented into pre-hospital emergency care & triaging apps, in-hospital communication & collaboration apps, and post-hospital apps. This growth is mainly attributed the rising awareness of mobile apps to manage medications among patients and increasing demand for medication management & rehabilitation apps due to increasing number of stroke, trauma, and cardiac patients who need rehab support during post-hospital care.
Worldwide and U.S. IT Consulting Services Market Shares, 2017: Larger Vendors Continue to Thrive

Published by IDC
Price
USD 4500 PDF by E-mail (Single User License)

This IDC study provides a review of the top 10 IT consulting services vendors as ranked by total worldwide and U.S. IT consulting services revenue. "The top 10 IT consulting vendors continue to outpace the worldwide IT consulting market spending growth banking on M&A activities, increased adoption of digital solutions, and overall positive spending sentiment of large enterprise buyers," according to Ali Zaidi, research director, IT Consulting and Systems Integration Services Research.

TABLE OF CONTENTS

- IDC Market Share Figure
- Executive Summary
- Advice for Technology Suppliers
- Market Share
- Who Shaped the Year
- Market Context
- Methodology
- Market Definition
- Related Research

IDC MaturityScape Benchmark: Cloud in Australia and New Zealand, 2018

Published by IDC
Price
USD 4500 PDF by E-mail (Single User License)

IDC's MaturityScape for cloud assists organisations to realistically assess their current capabilities, articulating reasonable short- and long-term goals, identifying their gaps, and beginning an action plan for change. The IDC MaturityScape specifically defines the stages, critical measures, business outcomes, and actions that are required to effectively move through the stages and increase value as more investments are made. Using the maturity measures and descriptions in the document, readers can:

- Understand exactly what sets "thriving" organisations apart from "surviving" organisations, based on their maturity scores
- Understand industry and peer group expectations for business outcomes and IT outcomes for an increasingly mature (sophisticated) use of cloud in how organisations operationalise their internal IT assets and how they source capability on the public (provider-based) cloud
- Understand the supporting processes, governance models, technologies, and skills to deliver cloud-based service delivery models to their internal customers
- Identify gaps in overall cloud management capabilities based on the aforementioned criteria - or more broadly, vision, technology, people, and process
- "Speed and agility have become the key drivers for cloud adoption."
The wired interface market is expected to reach 8.78 billion units by 2023 from 6.51 billion units in 2018, at a CAGR of 6.2% between 2018 and 2023. The said market was valued at USD 17.87 billion in 2018, and is expected to reach USD 34.72 billion by 2023, at a CAGR of 14.2% between 2018 and 2023. Wired interface technology deals with the method of transferring video or audio data among consumer electronic devices through the use of cables. Microchips and connectors are embedded in consumer electronic devices and act as a secure gateway for transferring data. In some cases, the system also acts as a power transmitting source apart from transmitting data.

Major factors driving the growth of the wired interface market include increasing use of consumer devices, such as smartphone, and increasing demand for wired interface due to its advantage of high data and power transfer capacity over wireless technology. Furthermore, with the advent of new consumer devices such as VR/AR headset and external hard disks, demand for large data packets and faster transfer may play a crucial role in delivering dedicated performance. Thus, wired interface technologies are preferred compared to wireless connectivity solutions in consumer devices. However, factors such as declining shipment of consumer devices, such as PC and tablets, and drop in commodity prices are restraining the growth of the market.
Software-Defined Networking: North American Markets to 2023

The North American software-defined networking (SDN) market should grow from $2.5 billion in 2018 to $21.1 billion by 2023 at a compound annual growth rate (CAGR) of 52.9% from 2018 to 2023.

The North American SDN market for cloud providers should grow from $1.1 billion in 2018 to $9.1 billion by 2023 at a CAGR of 51.6% from 2018 to 2023.

The North American SDN market for carriers should grow from $1.0 billion in 2018 to $8.9 billion by 2023 at a CAGR of 53.9% from 2018 to 2023.

Report Scope:

This report provides an in-depth analysis of the North American SDN market by solution, end user and country. By solution, the market is segmented into SDN configuration, hardware, software and services. End users include cloud providers, carriers and enterprises. Revenue estimates are provided for 2017. Using 2017 as base year, forecasts are provided for 2018 and 2023. Market trends are also identified for each solution segment and end user segment.

The report also includes a discussion of the major players across the North American market. The report concludes with a description of the vendor landscape, including profiles of each major vendor in the North American SDN market. The profiled companies include Avaya Inc., Aricent Inc., Advanced Micro Devices, Cisco, Dell, HP Enterprises, Ciena Corp., IBM, Juniper Networks and VMware Inc.

Global B2B E-Commerce Market 2018

The latest publication from Germany-based secondary market research company yStats.com covers the prolific growth of online business to business sales. "Global B2B E-Commerce Market 2018" cites projections that by the end of this decade, volume of online B2B sales will be twice that of digital retail sales, as the wholesale sector adopts convenience traits of B2C merchants.

Sales figures of worldwide B2B E-Commerce are already in trillions of US dollars, and continued growth is expected. The yStats.com report includes cites projections of growth, including a forecast that by 2020, digital B2B sales volume will be double that of online retail. Online sellers to other companies expect E-Commerce to improve their revenue growth while providing better service to their customers.

Some of the major trends in B2B E-Commerce imitate those of B2C sales. B2B buyers have come to expect the same 24/7 research and purchase capability that they have with online retail shopping, and B2B sellers are responding. Further, the marketplace trend of online retail extends to B2B E-Commerce, as platforms such as Alibaba.com, ThomasNet and Amazon Business expand their reach and additional business to business sellers offer their products and services through marketplaces.
Artificial Intelligence in IoT: AIoT Technology, Platforms, Applications and Services by Industry Vertical 2018 - 2023

Artificial Intelligence (AI) is rapidly making its way into many advanced solutions including autonomous vehicles, smart bots, advanced predictive analytics, and more. Many industry verticals will be transformed through AI integration with enterprise, industrial, and consumer product and service ecosystems. It is destined to become an integral component of business operations including supply chains, sales and marketing processes, product and service delivery and support models. AIoT (AI support of IoT) is just beginning to become part of the ICT lexicon as the possibilities for the former adding value to the latter are only limited by the imagination.

AI enhances the ability for Big Data Analytics and IoT platforms to provide value to each of these market segments. The use of AI for decision making in IoT and data analytics will be crucial for efficient and effective decision making, especially in the area of streaming data and real-time analytics associated with edge computing networks. Real-time data will be a key value proposition for all use cases, segments, and solutions. The ability to capture streaming data, determine valuable attributes, and make decisions in real-time will add an entirely new dimension to service logic. In many cases, the data itself, and actionable information will be the service.

Smart Home Technologies: European Markets to 2023

European smart home technologies market should reach $18.2 billion by 2023 from $12.8 billion in 2018 at a compound annual growth rate (CAGR) of 7.3% for the period of 2018-2023.

Rest of Europe smart home technologies market is expected to grow from nearly $4.0 billion in 2018 to $6.0 billion in 2023 at a CAGR of 8.5% for the period of 2018-2023.

Germany smart home technologies market is expected to grow from $3.0 billion in 2018 to $4.1 billion in 2023 at a CAGR of 6.5% for the period of 2018-2023.

Report Scope:

This report represents an in-depth analysis of the European smart home technology market by component, network technology and application. It discusses the different segments of smart home technology and provides specific market estimations. It discusses a comparative study of how the technology has improved people's lives and saved energy. The report also discusses strategies adopted by major players in the European smart home technology market.
Latin America Digital Supply Chain

Published by IDC
Pub. Date 2018/09/25
Price
USD 7500 PDF by E-mail (Single User License)

This IDC study describes the impact of the digitally-enabled supply chain in Latin American companies, as well as its disruption through the digital transformation where companies aim at hyper-personalization strategies, aiming to assist both customers and consumers. "To determine investment opportunities in digitally-enabled supply chain initiatives in Latin America, it is important to identify the areas of improvement in the different manufacturing, storage, and delivery processes, and to relate them with relevant technologies in order to solve each one of the identified problems," says Enrique Phun, Senior Research Analyst at IDC Latin America.

TABLE OF CONTENTS

- Executive Snapshot
- Situation Overview
- Advice for the Technology Buyer
- Learn More

Future In-Store Retail Technologies: Adoption, Implementation & Strategy 2018-2023

Published by Juniper Research
Pub. Date 2018/09/25
Price
USD 3015 Web Access -Full Research Suite (Enterprise Wide License)

Juniper Research's incisive strategic guide to Future In-store Retail Technologies provides a range of insights for a sector that is increasingly relevant for all forms of retail players.

This research takes an in-depth look at technologies affecting each step of the in-store consumer journey; highlighting where and how they can best be leveraged by retailers and technologies firms in this must-have guide.

This research includes:

- Market Trends & Opportunities (PDF)
- 5 Year Market Sizing & Forecast Spreadsheet (Excel)

Key Features:

- Trends Assessment: Examination of the macro trends impacting the whole retail landscape, and what they mean for the future of retail.
- Targeted Technology Analysis: Step-by-step discussion of each stage of the in-store consumer journey, and an evaluation of best practice use of retail technologies at each point.
- Market Innovators: Case studies of some best-in-class examples of retail technology usage.
- Benchmark Industry Forecasts: 5-year forecasts for in-store retail technologies in terms of adoption, revenues and, monetary impact of these new technologies.
**Worldwide Internet of Things Forecast, 2018-2022**

This IDC study provides key considerations for technology suppliers in this evolving and complex market as well as some of the drivers and inhibitors of growth throughout the forecast period. This forecast is created from IDC's Worldwide Semiannual Internet of Things Spending Guide. This iteration includes data presented in the June 2018 update to the Worldwide Semiannual Internet of Things Spending Guide. In the most recent iteration, there were 82 use cases identified and sized across the technology stack, with up-front and recurring spend considered. "The Internet of Things is moving into a new phase where we are starting to see the harmonization between human and machine come to fruition. Initially, it was about machine to machine by digitally enabling physical things," said Carrie MacGillivray, group vice president, IoT and Mobility at IDC. "With the ability to receive visual, audio, tactile, and environmental cues from the world around us, we can adjust and adapt proactively to changing conditions in the world around us."

**Worldwide Business Use Smartphone Forecast Update, 2018-2022**

This IDC study presents the five-year forecast for the worldwide business use smartphone shipments by operating system and user type (consumer, individual liable, and corporate liable). It is part of IDC's continuing research with respect to mobile devices. Findings in this document are based on information gathered from primary and secondary sources during the past six months. "In 2018, the worldwide business use smartphone market remains steady, as enterprises look to enable new groups of users that until recently have been under-mobilized," says Bryan Bassett, senior research analyst, IDC's Enterprise Mobility: Deployment Strategies program. "Mobility is having an immense impact in retail, healthcare, warehousing, and transportation industries, where new mobile solutions are going beyond the general demands of individual productivity."
Aviation Cyber Security Market Report 2018-2028
Published by Visiongain Ltd
Price
GBP 2699 Unprintable PDF (Single User) - 1 Year License ~
GBP 6999 PDF (Global Site License - Includes Free Datasets)

The latest attempts at cyber-attacks within the aviation industry have led Visiongain to publish this unique report, which could be crucial to your company’s improved success.

Aviation cyber security solutions are software suites designed to defend aviation networks, computers, and databases from cyber-attacks and unauthorized access. As the burgeoning global aviation industry becomes more dependent on information technology (IT) solutions and digital technologies to meet the continuously rising consumer base and changes in consumer preferences, cyber security has become a serious and urgent concern. Cyber-attackers are becoming more sophisticated in the ways they attack aviation systems and companies in the aviation market are leaving no stone unturned to make their systems comprehensively secured to ensure smooth operations and high-quality services to their consumers.

The global aviation cyber security market will reach $2,691m in 2018.

If you want to be part of this growing industry, then read on to discover how you can maximise your investment potential.

This report evaluates the market outlook for global aviation cyber security, detailing its size, outlook and prospective growth segmented into four submarkets and five regions for the forecast period 2018-2028.

U.S. Mobile Payments Market Forecast, 2016-2025: Merchants Grow as Mobile Goes Mainstream
Published by Mercator Advisory Group, Inc.
Price
USD 2950 PDF by E-mail (Single User License)

Mobile apps with integrated payment features are now mainstream ways for consumers to shop, order and pay for almost any product or service. The emergence of mobile significantly impacts the value chain of payments from merchant acquirers to card networks/issuers to merchants. A new research report from Mercator Advisory Group, 'U.S. Mobile Payments Market Forecast, 2016-2025: Merchants Grow as Mobile Goes Mainstream', discusses the developing segments of the mobile pay landscape and how consumer behavior is impacting various players. Additionally, the report presents Mercator's mobile payments market data forecast.

"Consumers are in the driver's seat related to deciding when, where, and how to buy from merchants. Lifestyle commerce reflects people on the go, making quick and frequent stops, for coffee or a snack as well as for the convenience of ordering meals for takeout or delivery. Mobile payment apps fit this buying model perfectly, and we should expect more vertical retail markets to meet these trending consumer patterns," commented Raymond Pucci, Director, Merchant Services at Mercator Advisory Group, and author of this report.
**Trends of Industry Cloud: Impact of Industry Cloud Solutions in the evolution of Latin American organizations**

Published by IDC  
Price  
USD 7500 PDF by E-mail (Single User License)

This IDC Perspective provides a detailed view of the Industry Cloud solutions market. "Increasingly, IDC sees IT and LOB buyers looking to partner with Industry Cloud solution providers that have a strong understanding of their industry. These can provide them with a head-start to value realization through an Industry Cloud solution platform, oriented to Information, Technology or Operations improvements", says Jeronimo Pina, research manager, Software and Cloud at IDC.

**TABLE OF CONTENTS**

- Executive Snapshot
- Situation Overview
- Advice for the Technology Buyer
- Learn More

---

**Digital Evidence Management Market by Component (Hardware, Software (Evidence Collection, Storage, and Sharing, Evidence Security, and Evidence Analytics and Visualization), and Services), Deployment Type, and Region - Global Forecast to 2023**

Published by MarketsandMarkets  
Price  
USD 5650 PDF by E-mail (Single User License)  
~USD 10000 PDF by E-mail (Global License)

The global digital evidence management market size is expected to grow from USD 4.35 billion in 2018 to USD 7.56 billion by 2023, at a CAGR of 11.7% during the forecast period. The major factors that are expected to drive the growth of the digital evidence management market include the growing rate of digital crimes, increasing government initiatives, and emerging technologies. In addition to this, the rising investments in the emerging technologies are also expected to be one of the biggest and most important factors for the market growth. However, the lack of skilled professionals and hesitancy of legal officers over sharing digital evidence may hamper the market growth.

The evidence collection, storage, and sharing segment to have the largest market share during the forecast period.

Digital evidence management software assists organizations in managing digital evidence, helps investigators upload the digital evidence data by ensuring integrity and authenticity of files, and offers easy search and share of the critical data. Collecting, sharing, and storing evidence data are very crucial during criminal investigations, as it is important to maintain integrity of evidence during the investigation process. The evidence collection, storage, and sharing software helps manage the evidence collected from different sources, such as emails, text messages, transactions, online accounts, images, and browsing histories. Humongous data generated from these sources is one of the main factors expected to increase the demand for digital evidence management software.
**Worldwide Smartphone Forecast Update, 2018-2022: September 2018**

*Published by IDC  
*Price: USD 4500 PDF by E-mail (Single user license)  
*Pub. Date 2018/09/24  
*www.giiresearch.com/ce/341115*

This IDC study presents the updated five-year forecast for smartphone shipments worldwide by device vendors. The worldwide smartphone market will reach a total of 1.45 billion units shipped in 2018, down 0.7% from the 1.47 billion units shipped in 2017. From there, shipments will reach 1.65 billion units in 2022, the final year of our forecast period, resulting in a CAGR of 2.4%. "The combination of increased prices and longer upgrade cycles has hindered the overall growth of smartphone shipments in 2018," said Anthony Scarsella, research manager with IDC's Worldwide Quarterly Mobile Phone Tracker. "Although 2018 will bring a decline to the market, we expect single-digit growth across both iOS and Apple, thanks to the arrival of new bigger, brighter displays, artificial intelligence, and improved imaging capabilities. Moreover, the arrival of 5G could be the big motivator to drive upgrades in 2020 when we expect a bulk of new 5G-enabled devices to hit the market."

---

**The Internet of Things (IoT) in Global Retail Markets Through 2023**

*Published by BCC Research  
*Price: USD 3850 PDF by E-mail (Single User License) ~ USD 6653 PDF by E-mail (Enterprise License)  
*Pub. Date 2018/09/24  
*www.giiresearch.com/ce/711680*

The global market for internet of things in retail should grow from $21.7 billion million in 2018 to reach nearly $50.0 billion by 2023 at a compound annual growth rate (CAGR) of 18.0% for the period of 2018-2023.

North American market for internet of things in retail reached $8.9 billion in 2018 and should reach $20.8 billion by 2023 at a CAGR of 18.4% for the period of 2018-2023.

Asia-Pacific market for internet of things in retail reached $4.5 billion in 2018 and should reach $10.9 billion by 2023 at a CAGR of 19.1% for the period of 2018-2023.

*Report Scope:*

This report covers the global market for IoT technologies in retail and regional analysis of North America, Latin America, Europe, the Asia-Pacific region and the Rest of World. Component segments include communications, hardware, sensors, software and other segments, as well as in-depth market size and forecast for key end-use segments, including e-commerce providers, big box retailers, and medium and small retailers, as well as customer experience, supply chain and store operation applications.

Home and garden products such as home decor products, home improvement products, and others sold through pure-play e-retailers or Internet-only retailers, and other retailers selling home and garden products through the online channel have been considered in the report.


 Covered in this report

The report covers the present scenario and the growth prospects of the global home and garden products B2C e-commerce market. To calculate the market size, the report considers the revenue generated from the adoption of e-commerce for home and garden products.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Partner Transitioning to Transformation Phase II: Build and Grow Managed Services (Professional Services)

The research that IDC has conducted on the partner network across Asia/Pacific (excluding Japan) has highlighted many challenges these organizations are facing as they struggle with declining, traditional IT infrastructure markets. These papers provide a roadmap for success for committed companies to take their businesses forward in a dedicated, logical, pragmatic, and step-by-step approach. The options provided within are carefully considered, based upon IDC’s extensive market research and wide-ranging industry relationships. “For the first time, IDC is leading the way by providing traditional IT infrastructure partners with a roadmap and a strategy to developing their marketing, sales, and support in line with newer and more significant business opportunities. There is now light at the end of the tunnel for these partners,” says Nigel Parsons, research director, IDC Asia/Pacific Cloud Partner Programs.
**Worldwide Mobile Phone Forecast Update, 2018-2022: September 2018**

This IDC study presents the five-year forecast for worldwide mobile phone shipments by device vendor. The worldwide mobile phone market will reach a total of 1,931.4 million unit shipments in 2018, down 2.34% from the 1,977.6 million units shipped in 2017. From there, total mobile phone shipments will reach 1,901.1 million units worldwide by 2022, resulting in a CAGR of -0.8% from 2017 to 2022. "Although 2018 will be a down year for the total mobile phone market regarding volume, 2019 is set to bring a positive return to growth for the smartphone market, while volumes remain near flat in the mobile phone market," says Anthony Scarsella, research manager for IDC’s Mobile Phones team. "The 3.7% smartphone growth in 2019 will bring a healthy demand for bigger-screen devices. With the 6in. to 7in. screen band set to make up 20.3% of all smartphone shipments in 2018 and 30.5% in 2019 (5.6% in 2017), proving bigger is better in the world of smartphones. From there, the popularity of larger screens will continue to grow throughout the forecast period as devices at numerous price points will adopt bigger screens. By 2022, the last year of our forecast, the 6in. to 7in. screen size band will reach 662.8 million units. This represents a CAGR of 51.9% for 2017-2022."

---

**Global Artificial Intelligence Market in the Industrial Sector 2018-2022**

The scope of the report includes AI software platforms used by manufacturers engaged in various industries.

Technavio’s analysts forecast the global artificial intelligence market in the industrial sector to grow at a CAGR of 54.03% during the period 2018-2022.

**Covered in this report**

The report covers the present scenario and the growth prospects of the global artificial intelligence market in the industrial sector for 2018-2022. This industry research report provides a detailed analysis of the market by application (remote monitoring and predictive maintenance, supply chain management, R&D and production planning, quality control, and execution of operation and maintenance contracts, and regulatory intelligence), and by end-user (process industries, and discrete industries).

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA
As the global banking industry struggles with issues related to rising costs, legacy infrastructure, evolving customer demand and changing regulations, the NeoBanking industry is making slow but steady progress. With new business models, innovative products and services, use of technology and approach to business, NeoBanks are engaging their customers like never before. The objective of this study is to identify NeoBanking trends in Europe. With regulations enabling access to data to encourage competition, NeoBanks are disrupting the market. The underserved market segments are exploring new and innovative offers. This study delves deeper into the efforts that NeoBanks are making to differentiate themselves, technologies that they are using, and the new business models that are working for them.

This report provides a comprehensive analysis for the outdoor small cell antenna market in the United States. This report covers the vendor and antenna type market share for 2016-2017 shipments as well as a forecast for 2018-2022. The report covers the following outdoor small cell antenna types:

- Directional Panel Antennas 2-10+ Ports
- Quasi Omni Canister Antennas 2-28 ports
- Omni Antennas 2-8+ Ports

Table of Contents

- EXECUTIVE SUMMARY
- RESEARCH METHODOLOGY
- CHAPTER 1: ANALYSIS OF 2017 MARKET PERFORMANCE
- CHAPTER 2: ANALYSIS OF 2018-2022 FORECAST
- CHAPTER 3: MOBILE OPERATORS SMALL CELL ANALYSIS
- CHAPTER 4: 3RD PARTY NEUTRAL HOST OPERATORS
3D Printing Software: Global Markets to 2023

The global market for 3D printing software should grow from $787.5 million in 2018 to reach $2.1 billion by 2023 at a compound annual growth rate (CAGR) of 22.2% for the period of 2018-2023.

The 3D printing software market in aerospace and defense industry reached $223.9 million in 2018 and should reach $624.9 million by 2023 at a CAGR of 22.8% for the period of 2018-2023.

The 3D printing software market in healthcare industry reached $106.4 million in 2018 and should reach $321.6 million by 2023 at a CAGR of 24.8% for the period of 2018-2023.

Report Scope:

This study includes analysis of key trends within the 3D printing software market and its various segments. It also provides the global market trends and revenue for various segments through 2023. The report divides the 3D printing software market into technology types: modeling, slicing and platform. The scope of the report does not include the service segment.

Further, the market is segmented by end-use industries such as healthcare, consumer products, automotive, aerospace and defense and other industries. The other category includes industries such as food, fashion, education, architecture and entertainment. The study analyzes 3D printing software adoption and revenue trends across North America, Europe, Asia Pacific and the Rest of the World (ROW).

Smart Home Opportunity Assessment for Telcos

Diverse range of available smart home solutions translates into a variety of potential opportunities for telcos. However, a common limitation across all smart home segments is that telcos often have limited internal capabilities to offer smart home solutions, and so vendor partnerships will be required. Conversely, telcos have existing billing and customer relationships with the household that can be leveraged to sell smart home solutions.

There isn't a single ubiquitous smart home opportunity for telcos due to the large variety of smart home solutions. Rather, there are numerous different solutions that can be capitalized on, each requiring a tailored approach as part of an overarching smart home strategy.

Telcos have perceived the need to expand their portfolio beyond connectivity to monetize on the growing smart home opportunity. Telcos are trying to identify key opportunities in the smart security, smart entertainment, smart heating & cooling, smart lighting & appliances, smart health & wellbeing, and smart robot solutions segments.
Cybersecurity Market by Solution (IAM, Encryption, UTM, Antivirus/Antimalware, Firewall, IDS/IPS, Disaster Recovery, and DDOS Mitigation), Service, Security Type, Deployment Mode, Organization Size, Industry Vertical, Region - Global Forecast to 2023

MarketsandMarkets forecasts the cybersecurity market size to grow from USD 152.71 billion in 2018 to USD 248.26 billion by 2023, at a Compound Annual Growth Rate (CAGR) of 10.2% during the forecast period. The market growth is expected to be driven by the increasing government compliances and regulatory requirements; the emergence of disruptive digital technologies such as the Internet of Things (IoT), Artificial Intelligence (AI), and big data analytics; and the growing sophistication level of cyber-attacks. However, limited security budget among Small and Medium-sized Enterprises (SMEs) and the easy availability of free and pirated cybersecurity solutions may restrain the growth of the cybersecurity market.

Under solutions, the Identity and Access Management (IAM) segment is expected to hold the largest market size during the forecast period.

The IAM solutions segment is estimated to hold the largest market share in 2018. IAM solutions play a critical role in managing enterprises' electronic and digital identities. These solutions help businesses improve their security posture by offering centralized visibility and control of users' access. IAM solutions have registered tremendous adoption in recent years, as they can be quickly and cost-effectively integrated with IAM policies across on-premises and cloud environments.

Japan System and Service Management Software Market Shares, 2017: Expanding SaaS Market

This IDC study is a translation of the Japanese document. It categorizes the Japan system and service management software market by functional segment and provides vendor shares in 2017. It also provides vendor shares data for the system and service management software as a service (SaaS) market. For related markets, the study also provides vendor shares data for the unified endpoint management market and the network management software market. "As system environments in user companies continue to shift from on-premise to cloud, system and service management solutions are also required to have new management architectures such as SaaS and IT operation analytics. It is necessary for vendors to invest proactively in cloud environments and proceed with hybrid development so that the functions and services developed are also applicable for on-premise environments," said Mitsuhiro Iriya, research manager, Software and Security, IDC Japan.
IDC's Worldwide Digital Transformation Use Case Taxonomy, 2018: Smart Cities and Communities

Published by IDC
Price
USD 4500 PDF by E-mail (Single User License)

www.giiresearch.com/ce/707412

This IDC study provides a framework for digital transformation (DX) in Smart Cities and Communities and how cities are prioritizing use cases for investment and the strategic priorities that are driving technology spending. "Smart Cities and Communities transform the urban ecosystem to deliver environmental, financial, and social outcomes. By understanding the strategic value of digital transformation, Smart Cities and Communities can deliver truly innovative services to residents, businesses, and visitors. Digital transformation of the urban ecosystem must start with a common vision or mission, identify the core elements to delivering on that vision, and implement the critical use cases that will catalyze Smart City maturity," said Ruthbea Yesner, vice president, Government Insights.

TABLE OF CONTENTS

- Taxonomy Overview
- Definitions
- Learn More

Global Autonomous Vehicles Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)
Price
USD 2500 PDF by E-mail (Single User License) ~
USD 5000 PDF by E-mail (Global License)

www.giiresearch.com/ce/609189

This market research report presents a comprehensive analysis of the global autonomous vehicles market based on vehicle type such as PVs and CVs. The report also provides an analysis of the market based on geographic regions such as the Americas, APAC, and EMEA.

Our market research analysts predict that in terms of units, the autonomous vehicles market will grow at a CAGR of close to 42% by 2022.

Key questions answered in the report include:

- What will the market size and the growth rate be in 2022?
- What are the key factors driving the global autonomous vehicles market?
- What are the key market trends impacting the growth of the global autonomous vehicles market?
- What are the challenges to market growth?
- Who are the key vendors in the global autonomous vehicles market?
- What are the market opportunities and threats faced by the vendors in the global autonomous vehicles market?
- What are the trending factors influencing the market shares of the Americas, APAC, and EMEA?
MIMO Role in High-speed Communications: Technologies, Markets and Applications

This report researches advanced technologies and markets for wireless and wired communications systems that are supported by MIMO - Multiple Input/Multiple Output structures - to enhance their performance. It revises and updates earlier issues of the report as well as adds the analysis of latest technologies.

Users' demand for more efficient networking brought to life many technological innovations. One of them is MIMO, which became very popular in wireless systems - almost all recent and future 3GPP standards use (or will be using) variations of such a technique. MIMO is also used in wireline systems.

This report is based on the Practel analysis of MIMO-based communications systems, their technologies and markets specifics. Particular, the following industry standards that utilize MIMO have been considered:

- 3GPP LTE
- IEEE802.11ax
- IEEE802.11ay
- IEEE 802.11ac
- HomePlug AV2
- ITU G.hn.
**Global Police and Military Simulation Training Market 2018-2022**

Simulators and virtual training devices are used to recreate real-life conditions experienced on the flight deck of aerial platforms and naval vessels, and during the use of weapons, target systems, armored vehicles, and missiles.

Technavio's analysts forecast the Global Police and Military Simulation Training Market to grow at a CAGR of 4.2% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global police and military simulation training market. To calculate the market size, the report considers the revenue generated from the sales of police and military simulation training systems.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio's report, Global Police and Military Simulation Training Market 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.

**Global OTT TV & Video Forecasts**

Global online TV episode and movie revenues will reach $129 billion in 2023; more than double the $53 billion recorded in 2017. About $16 billion will be added in 2018 alone.

From the 138 countries covered in the Global OTT TV & Video Forecasts report, the top five will command 69% of the global revenues by 2023. This proportion is down from 73% in 2017; revealing that the rest of the world will grow at a faster rate. OTT revenues will exceed $1 billion in 17 countries by 2023; up from 10 countries in 2017.

Simon Murray, Principal Analyst at Digital TV Research, said: "No prizes for guessing that the US will remain the dominant territory by some distance. However, its share of global revenues will fall from 43% in 2017 to 37% by 2023. We forecast that revenues in the US will more than double between 2017 and 2023 - adding nearly $25 billion to reach $48 billion."

China will also add a staggering sum over the same period - $17 billion to nearly triple its revenues to $26 billion. China's share of the world's total will climb from 16% in 2017 to 20% in 2023.
**The Five Value Propositions of IT Certification for the Enterprise, 2018**

Published by IDC  
Price  
USD 4500 PDF by E-mail (Single User License)  
Pub. Date 2018/09/20  
www.giiresearch.com/ce/707432

This IDC Perspective summarizes research from IDC and other organizations and identifies five overarching value propositions to the enterprise for IT certification. To be responsive to the need of the enterprise, IT organizations are attempting to accelerate the time to value while optimizing spending on IT. "IT certifications are essential to helping IT organizations increase the value of IT solutions to the enterprise." - Cushing Anderson, program vice president, IT Education and Certification services.

Table of Contents

- Executive Snapshot
- Situation Overview
- Advice for the Technology Buyer
- Learn More

---

**Monetisation Platforms: Worldwide Market Shares 2017**

Published by Analysys Mason  
Price  
USD 7999 PPTX and PDF by E-mail (Single User License)  
Pub. Date 2018/09/20  
www.giiresearch.com/ce/705007

"The overall spending in this segment declined by 3% in 2017, primarily due to CSPs' efforts to limit investment in mature systems and to prioritise network investments over other functions."

This report provides market share data for communications service provider (CSP) spending on telecom-specific monetisation platforms (MP) software systems and related services for 2017. A number of monetisation platforms projects are being grouped under broader digital transformation initiatives, and this is having an impact on system design and delivery, budget approvals and vendor selection.

5G is quickly emerging as a key driver of interest in next-generation monetisation platforms systems, mainly for enterprise use cases, although the related spending was not significant in 2017.

**THIS MARKET SHARE REPORT PROVIDES:**

- detailed market share data for the monetisation platforms market overall, as well as four sub-segments:
  - a summary of key developments in the market overall and in each sub-segment
  - detailed profiles of 22 vendors in this market, and summaries of other players.

Published by IDC  
Price  
USD 4500 PDF by E-mail (Single User License)  
www.giiresearch.com/ce/395996

This IDC study provides a detailed description of IDC's Worldwide Semiannual Cognitive/Artificial Intelligence Systems Spending Guide methodology and taxonomy. It should be used as a companion piece for IDC's Worldwide Semiannual Cognitive/Artificial Intelligence Systems Spending Guide and all of IDC's worldwide vertical research. Technology suppliers may utilize this approach and structure as well to help them build an industry-focused organization. "IDC's Worldwide Semiannual Cognitive/Artificial Intelligence Systems Spending Guide presents a comprehensive view of the cognitive systems ecosystem," said Jessica Goepfert, program director, IDC's Customer Insights and Analysis group. "It is an invaluable resource to help vendors define and standardize their vocabulary for approaching this expanding and dynamic market."

**TABLE OF CONTENTS**

- IDC Opinion
- Situation Overview
- Essential Guidance
- In This Study
- Future Outlook
- Learn More

---

**Anti-Jamming Market for GPS by Receiver Type (Military & Government Grade, and Commercial Transportation Grade), Technique (Nulling, Beam Steering, and Civilian), End-User (Military, and Civilian), Application, and Geography - Global Forecast to 2023**

Published by MarketsandMarkets  
Price  
USD 5650 PDF by E-mail (Single User License)  
USD 10000 PDF by E-mail (Global License)  
www.giiresearch.com/ce/366907

The anti-jamming market for GPS is expected to grow from USD 3.86 billion in 2018 to USD 5.50 billion by 2023 at a CAGR of 7.34% from 2018 to 2023. The growth of this market is mainly driven by factors such as high demand for GPS technology in military applications and ongoing developments to improve the overall GPS infrastructure. The growing demand for unmanned airborne vehicles and systems, and the development of low-cost GPS anti-jamming solutions provide the major opportunities for the growth of the anti-jamming market for GPS. However, the incompatibility of older GPS receivers with newer technologies poses restraint for the growth of the market.

"Surveillance and reconnaissance application to hold significant share of anti-jamming market for GPS by 2023"

The surveillance and reconnaissance application accounts for the largest share of the anti-jamming market for GPS. The high demand for GPS technology and increased jamming issues with airborne and unmanned vehicles are likely to boost the market for anti-jamming technology for these applications. The law enforcement organizations and logistics agencies mainly depend on the GPS technology for proper guidance and navigation. They are expected to be fully immune to GPS jamming signals, and hence, the market for these applications is expected to experience the highest CAGR during the forecast period.
Global Market Study on Clinical Communication and Collaboration: China Expected to Grow at a Significant CAGR Owing to Rapid Adoption of Healthcare Communication Technologies by Hospitals to Establish an Efficient Care Delivery Model

Persistence Market Research offers a 10-year forecast for the Clinical communication and collaboration market between 2018 and 2028. In terms of value, the Clinical communication and collaboration market is expected to register a CAGR of 15.5% during forecast period. This study demonstrates the global market dynamics and trends across regions, such as North America, Latin America, Europe, China, Japan, SEA and other APAC and Middle East & Africa, which influence the current nature and the future status of the Clinical communication and collaboration market over the forecast period. The popularity of Clinical communication and collaboration is increasing due to technological advancements and rising need for improved communication.

This research report provides a detailed analysis of the Clinical communication and collaboration market, and offers insights on various factors. This Clinical communication and collaboration market study provides a comprehensive assessment of stakeholder strategies and imperatives for succeeding in the business. The Clinical communication and collaboration report segregates the market based on component, content type, and end user across different regions worldwide.

Digital Platforms and New Business Models in Global Aerospace, Defense and Security Market, 2018

This study will benefit those who are interested in learning about the evolving business models in the aerospace, defense, and security industries. This study discusses the key aspects of the transformation of business models in the digital economy and how companies are aligning their strategy to monetize, using digital platforms and flexible business models. All aerospace, defense and security industry stakeholders and the rest of the industry verticals will benefit from this study, as this is a visionary study investigating the big picture perspectives of evolving business models and emerging digital platforms and how they are looking to revolutionize the rest of the industries across the globe. Technology companies that are looking to feed into the digital transformation Mega Trends across industries will also benefit from this study, as they will get to understand their potential role in the future and make key business decisions. In the fast changing markets in digital economy, data-driven solutions offered through flexible business models for efficiency, agility and effectiveness play a vital role in business success. In the highly competitive digital ecosystem, organizations strive to capitalize and monetize every small aspect of value created by offering clients innovative, flexible and affordable business models. Digitization and new business models related to a range of operational and commercial functions have traditionally been siloed, but this is changing with organizations aiming to provide a wider range of either self-developed or partnered solutions. This research identifies transformation in the industry ecosystem and emerging business models currently being adapted by aerospace defense and security industry stakeholders and convert the evolution into opportunities for revenue-market share growth.
Regulatory changes around the world continue to disrupt the traditional business models for selling distributed energy resources (DER). Since 2015, regulators have focused on reducing the costs of distributed assets and their effects on the grid and budgets. Today, self-consumption is becoming the most important business model in markets with few incentives for DER. This model is focused on capturing the most value possible from energy consumers at the consumption point.

The technologies needed to increase self-consumption are available today, but they have been developed in their own silos. Hence, few integrated solutions exist in the market. This report focuses on technologies that enable the deployment of self-consumption-focused installations but are not necessarily deployed as an integrated system. Most of the technologies covered in this report are energy-focused, but a few are part of the wider smart home or Industrial Internet of Things (IIoT) ecosystems, of which energy is only one application.

The smart irrigation market is estimated to be worth USD 825.0 million in 2018 and is projected to reach USD 1,755.1 million by 2023, at a CAGR of 16.30% from 2018 to 2023. The major drivers for the smart irrigation market include initiatives undertaken by various governments to promote water conservation, surge in farming operating costs, and growing emphasis on increasing farm productivity and profits using smart irrigation solutions. Major factors restraining the growth of the smart irrigation market include the implementation of smart irrigation technologies in fragmented land, high technological costs, and limited technical knowledge and skills among farmers.

Market for agricultural application to grow at higher CAGR during forecast period

The market for the agricultural application is expected to grow at a higher CAGR during the forecast period. Agriculture and related industries are projected to emerge as the fast-growing application segments. Agriculturists and farmers, in particular, are opting for smart irrigation technologies and playing a key role in optimizing water usage.
**Global Market Study on Music Streaming: On-demand Streaming Segment Expected to Grow Globally Through 2026**

Persistence Market Research (PMR) offers an 8-year forecast for the global music streaming market between 2018 and 2026. In terms of value, the market is expected to register a double-digit CAGR during forecast period. This study demonstrates the market dynamics and trends globally across seven regions: North America, Latin America, Europe, SEA and Pacific, China, Japan, and Middle East & Africa, which influence the current nature and future status of the music streaming market over the forecast period.

This research report provides a detailed analysis of the music streaming market and offers insights about the various factors driving the popularity of music streaming and their advantages. The report includes an extensive analysis of key industry drivers, challenges, market trends, and market structure. The market study provides a comprehensive assessment of stakeholder strategies and imperatives for succeeding in the business. The report segregates the market based on type of streaming, end-user, content type and different regions globally.

The music streaming market is expected to witness significant value growth during the forecast period owing to increasing penetration of internet, increasing adoption of smartphones and tablets, declining data charges, increasing internet speed, increasing awareness against piracy and increasing millennial population.

---

**IDC's Worldwide Digital Transformation Use Case Taxonomy, 2018: Human Resources**

This IDC study presents IDC's first digital transformation (DX) use case taxonomy for human resource management. It includes descriptions of the strategic priority, programs, and use cases for this horizontal function. "To address increasing talent shortages, skill gaps, changing worker expectations, changing models for getting work done, and the rapid adoption of analytics and even artificial intelligence into HR business planning, there has never been a more rapid evolution of the HR function than there will be in the next five years. HR leaders and their IT counterparts must invest in intelligent and integrated HR system to maximize the ability of the enterprise to attract, develop, deploy, and manage their critical human capital resource. New DX tools and integrated process can dramatically improve the HR function. This research outlines 27 of the most important HR digital transformation use cases HR leaders should consider." - Lisa Rowan, VP, HR, Talent and Learning Strategies and Services.
Japan IT Security Products Market Shares, 2017: External Threat Measures and Internal Threat Measures Market

Published by IDC
Price
USD 4500 PDF by E-mail (Single user license)

This IDC study is a translation of the Japanese document IDC #JPJ42860518. It presents the Japan IT security products market vendor shares in 2017. The market is divided into external threat protection products market that includes endpoint security, messaging security, web security, and network security; and internal threat protection products market that includes identity and access management and security and vulnerability management. "Security products suppliers should build partner ecosystems not only within the security industry. They should build partner ecosystems that go beyond the security industry, for example with Internet of Things and operation technology sensor and device vendors, and IoT and OT platform vendors. By doing so, they will be able to offer seamless solutions and strong security solutions," says Tsuneo Tosaka, research manager, Software and Security, IDC Japan.

Digital English Language Learning Market in APAC 2018-2022

Published by TechNavio (Infiniti Research Ltd.)
Price
USD 2500 PDF by E-mail (Single User License) ~
USD 5000 PDF by E-mail (Global License)

The digitization of the education industry has led to multiple digital learning platforms offering English-language learning techniques and practices. Learners of the language can either enroll for online classroom programs or can use English-language learning apps.

Technavio’s analysts forecast the Digital English Language Learning Market in APAC to grow at a CAGR of 25.83% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the digital English language learning market in APAC. To calculate the market size, the report considers the revenue generated from sales of language learning courses, programs, and packages across the APAC region.

The market is divided into the following segments based on end-users:

- Academic learners
- Non-academic learners

Technavio’s report, Digital English Language Learning Market in APAC 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.
The major players in Germany market include:

- CPA Global
- Capita
- QuisLex
- Unitedlex
- Clutch Group
- American Discovery
- Accace
- Integreon
- Cobra Legal Solutions
- Infosys
- Evalueserve
- Amstar Litigation Support

On the basis of product, the Legal Process Outsourcing market is primarily split into:

- Offshore Outsourcing
- Onshore Outsourcing

On the basis on the end users/applications, this report covers:

- E Discovery
- Patent Support
- Litigation Support
- Contract Drafting
- Review Management
- Others
**Worldwide Tablet Market Shares, 2Q18: Slates and Detachables Experience Double-Digit Shipment Declines**

Published by IDC  
Price  
USD 4500 PDF by E-mail (Single User License)  

www.giiresearch.com/ce/707423

*This IDC study provides an analysis of vendor performance in the tablet market for 2Q18.* "The tablet market continued to struggle as both product categories saw significant shipment declines in the second quarter," said Lauren Guenveur, senior research analyst, IDC's Devices and Displays. "While we expected the slate market to continue its unabated slide, we are concerned by the lack of continued growth in the detachable category. PC OEMs continue to shift their focus back toward convertible and ultraslim notebooks, leaving the detachable market in a state of limbo as we await new products from Microsoft, Apple, and Samsung. These three players continue to carry the bulk of the category, as we remain hopeful that new Windows on Snapdragon products and Chrome OS might bring some enthusiasm back into this category."

---

**Worldwide Next Gen SIEM Market [by Segments (Platforms, Services: Professional, Managed); by Deployment (Cloud, On-Premise); by Users (SMBs, Enterprises); by Verticals; by Regions]: Market Sizes and Forecasts (2018 - 2023)**

Published by Arcluster Pte. Ltd.  
Price  
USD 4150 PDF by Email (Open License)  

www.giiresearch.com/ce/704706

The 'Next-Gen SIEM market report' provides an in-depth analysis of the market size, forecasts, and opportunities of Next-Gen SIEM Platforms and Services targeted at SMBs and Enterprises. Services analyzed in the study include Professional Services and Managed Services. Professional services include Design and Consulting, Implementation and Integration, and Maintenance and Support.

The study includes market analysis of Next-Gen SIEM, categorized by two types of Deployments: On-Premise Deployment and Cloud-based Deployment. Further to this, the report also provides the market data for Next-Gen SIEM across eight verticals and five regions - North America, Europe, Asia-Pacific, Central America, and Latin America (CALA), and Middle-East and Africa (MEA).

Arcluster's 'Next-Gen SIEM market report' also includes insights into key market requirements gathered from service providers, network engineers, IT managers, CIOs, CTOs, IT decision makers, and opinion leaders. This report has been built on a rigorous period of information gathering from both secondary and primary sources through several interviews with industry participants, manufacturers, suppliers, vendors, consultants, organizations, and regulators.
SON (Self-Organizing Networks) in the 5G Era: 2019 - 2030 - Opportunities, Challenges, Strategies & Forecasts

Published by SNS Telecom & IT

Price
USD 2500 PDF & Excel by E-mail (Single User License) ~
USD 3500 PDF & Excel by E-mail (Global Site License)

www.giiresearch.com/ce/337365

SON (Self-Organizing Network) technology minimizes the lifecycle cost of running a mobile network by eliminating manual configuration of network elements at the time of deployment, right through to dynamic optimization and troubleshooting during operation. Besides improving network performance and customer experience, SON can significantly reduce the cost of mobile operator services, improving the OpEx-to-revenue ratio and deferring avoidable CapEx.

To support their LTE and HetNet deployments, early adopters of SON have already witnessed a spate of benefits - in the form of accelerated rollout times, simplified network upgrades, fewer dropped calls, improved call setup success rates, higher end-user throughput, alleviation of congestion during special events, increased subscriber satisfaction and loyalty, and operational efficiencies - such as energy and cost savings, and freeing up radio engineers from repetitive manual tasks.

Although SON was originally developed as an operational approach to streamline cellular RAN (Radio Access Network) deployment and optimization, mobile operators and vendors are increasingly focusing on integrating new capabilities such as self-protection against digital security threats, and self-learning through artificial intelligence techniques, as well as extending the scope of SON beyond the RAN to include both mobile core and transport network segments - which will be critical to address 5G requirements such as end-to-end network slicing.
**IoT Impact on Oil and Gas Transformation in Latin America**

Published by IDC
Price USD 7500 PDF by E-mail (Single User License)

In a world of constant transformation where digital technology is impacting every industry and will serve as the basis for the 4th industrial revolution, the Oil & Gas industry is also pushed to transform to stay as the most competitive source of energy, this becomes even more critical with pricing pressures, as well as environmental and safety regulations which add more complexity to traditional companies' operations. In this document we will explore how digital transformation is impacting the Oil & Gas industry, giving a general view of the market reality and how different use cases that involves many of the innovation accelerators such as Internet of Things, Artificial Intelligence, Cloud, among others are developing around the world in order to achieve those efficiency goals. We will also see how this reality is impacting in Latin America, what some companies in the region are planning and finally revise top digital predictions impacting this industry with IDC advice for IT professionals as well as service providers.

---

**Global Routers, Switchers, and Master Controls Market, Forecast to 2023**

Published by Frost & Sullivan
Price USD 4950 Web Access (Regional License)

This study on the routers, switchers, and master controls market covers software and hardware point solutions as well as comprehensive, large-scale value based applications that support the video production and broadcasting needs of consumers. The global market generated $656.6 million in 2017, and is expected to grow at a compound annual growth rate (CAGR) of 2.4% to $755.8 million by 2023. The market is driven by product upgrades; IP-fication; international, national, regional, college, and online sporting events; demand from non-broadcasting segments such as education and houses of worship; and consolidation and acquisitions by leading market vendors.

**Research Scope**

This market insight covers the following:

- Detailed global market trend analyses, including market drivers, market restraints, technology trends, regional analysis, and competitive analysis
- Detailed revenue forecasts for the routers, switchers, and master controls market
- A competitive landscape of major participants and their market share analysis
- A competitive analysis of major participants - Grass Valley, Evertz, Sony, Imagine Communications, Ross Video, and FOR-A
# Western Europe Enterprise Mobile Security Software Forecast, 2018-2022

**Published by IDC**

**Price**

USD 4500 PDF by E-mail (Single User License)

This IDC Market Forecast examines the Western Europe enterprise mobile security software market for 2018-2022. “Currently, security is rarely (if ever) at the table for the development of new enterprise mobility projects. At best, security is an after-thought. Security needs to become by design to new mobility initiatives, or else there is the risk that IT departments and business lines will sideline security altogether, to the detriment of the organization’s risk posture,” said Dominic Trott, associate research director, European Security. “Security providers must demonstrate how their solutions can help bake security into enterprise mobility from an inside out perspective and tie it with digital transformation initiatives.”

### TABLE OF CONTENTS

- IDC Market Forecast Figure
- Advice for Technology Suppliers
- Market Context
- Methodology
- Executive Summary
- Market Forecast
- Market Definition
- Related Research

---

# Worldwide Software-Defined and Virtualized Network Functions (Compute and Storage) Infrastructure Forecast, 2018-2022

**Published by IDC**

**Price**

USD 8500 PDF by E-mail (Single User License)

This IDC study provides a size and forecast for the worldwide software-defined and virtualized network functions infrastructure market for the 2018-2022 period, specifically for compute and storage platforms. IDC estimates that this market - which consists of compute and storage infrastructure (hardware and software) - will reach $7.8 billion in 2018. Further, IDC estimates that this market will grow at a CAGR of 24.5% and will reach $18.6 billion in 2022. "The move toward software-defined and virtualized network functions brings enterprises and service providers much closer to realizing the true benefits of end-to-end software-defined infrastructure," said Ashish Nadkarni, group VP for IDC's Worldwide Infrastructure practice.

### TABLE OF CONTENTS

- IDC Market Forecast Figure
- Advice for Technology Suppliers
- Market Context
- Methodology
- Executive Summary
- Market Forecast
- Market Definition
- Related Research
Online Education Market in India 2018-2022

Online education is the process of delivering information and instruction through the Internet to students who have devices such as computers, laptops, or mobile phones. Online education is delivered in varying ways, including online courses, massive open online courses (MOOCs), and hybrid or blended courses. This mode of education eliminates the need for students to be present physically for each module or session, which is a part of the conventional mode of teaching. The traditional way of teaching can become monotonous and requires planning of lesson schedules, which can be avoided with the online mode of education. The online education market in India is expected to experience a significant growth during the forecast period. This is owing to the introduction of new learning methodologies such as blended learning and flipped learning. To improve classroom-based learning and interactions, professors or lecturers are providing recorded lectures that can be accessed from anywhere and at anytime, thereby, facilitating flexible learning options to students. In addition, this helps them in focusing on taught concepts owing to the reinforced learning, which is enabled by listening to recorded lectures repeatedly. Educational institutions are successful in deploying learning courses with the help of MOOCs. Indian Institute of Technology (IIT) delivers IT courses on Data algorithms, machine learning, and data structure through MOOCs platform.

Global Cognitive Radio Market 2018-2022

Cognitive radios are infused with the latest technologies like artificial intelligence wherein they identify unutilized or underutilized portion of radio frequency spectrum.

Technavio’s analysts forecast the global cognitive radio market to grow at a CAGR of 13.26% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global cognitive radio market for 2018-2022. To calculate the market size, the report considers the revenue generated from the use of cognitive radios across end-user industries.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio’s report, Global Cognitive Radio Market 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.
Impact of Artificial Intelligence (AI) on Energy and Utilities, 2018

Artificial Intelligence (AI) is one of the biggest technological trends transforming every business sector across the world. With advances in computer technology, AI has scaled new heights in utility and application, exceeding all initial expectations. By leveraging advanced machine learning (ML) and deep learning (DL) algorithms, and advanced neural networks (ANN), AI can handle terabytes of structured, semi-structured, and unstructured data from disparate sources and identify patterns, as well as make predictions and recommendations based on its understanding of the data. This intelligence is being harnessed to develop innumerable smart applications that can efficiently take critical decisions autonomously and accurately, without human intervention.

Currently, the global energy market is undergoing a massive shift with the emergence of decarbonisation, decentralisation, and new technologies. Utilities, independent power producers (IPPs), and other energy companies are exploring effective ways to manage the imbalance in demand and supply caused by the growing use of unpredictable renewable energy source (RES) in power generation. Therefore, utilities, energy companies, and grid operators are exploring ways to employ AI technologies to improve the accessibility and efficiency of renewable energy technologies. Despite its nascence, AI possesses tremendous potential to transform the energy & utilities sector. In combination with other technologies like Big Data and IoT, it can aid the active management of electricity grids by balancing demand and supply.

Western Europe Enterprise Resource Management Applications Forecast, 2018-2022

This IDC study provides analysis and sizing of the Western European ERM applications market for 2014-2016 and a forecast for 2017-2021. The study segments the ERM applications market by functional market (eight functional markets), deployment model (SaaS and on-premises), and country. This year's forecast replaces IDC's Western Europe ERM Applications Forecast, 2015-2020 (IDC #EMEA40408516, July 2016). "Despite the high maturity of the Western European ERM applications market, which at first glance is a replacement market, IDC forecasts reasonable growth rates over the next five years. The drivers behind these growth rates include public cloud services adoption, particularly in line-of-business (LOB) applications for the finance, procurement, and HR departments, ERP upgrades to support digital transformation initiatives, and new adoption of cloud solutions in microsegments. As core ERP suites moves to cloud deployment, growth rates will be fueled further," said Bo Lykkegaard, associate vice president, IDC European Software.
**Cost Savings, Technological Impact & Vendor Analysis 2018-2023**

Our latest 'Regtech' research provides an essential analysis of how advancing technologies, including AI and Blockchain, are converging with requirements for improved automation and more efficient operation of regulatory compliance systems across multiple industries. Key vendors are disrupting the traditional, labour intensive model of regulatory compliance, leading to significant Regtech adoption.

The research provides a detailed assessment of which new technologies are being introduced to assist in the management of regulatory risks, as well as analysing key trends and emerging business models in the sector. Based on these elements, the research suite identifies recommendations for key stakeholders in the industry to inform strategic planning.

The technologies covered are:

- AI
- Big Data Analytics
- Biometrics
- Blockchain
- Chatbots
- Cloud Computing

**IDC's Worldwide Digital Transformation Use Case Taxonomy, 2018: Procurement**

This IDC study presents IDC's first digital transformation use case taxonomy for procurement. It includes descriptions of the strategic priority, programs, and use cases for this horizontal function. "As part of digital transformation initiatives, procurement is evolving to a digital-enhanced function, bringing more focus, less risk, and better performance and outcomes. Technology is becoming much more advanced and innovative, allowing the organization to interact with the technology as a teammate. Digital procurement and partnerships are built on a foundation of digital transformation use cases listed within this document." - Mickey North Rizza, program vice president, Enterprise Applications and Digital Commerce.

**TABLE OF CONTENTS**

- IDC's Worldwide Digital Transformation Taxonomy
- Digital Transformation Taxonomy Changes for 2018
- Taxonomy Overview
- Definitions
- Learn More
SON (Self-Organizing Networks) technology minimizes the lifecycle cost of running a mobile network by eliminating manual configuration of network elements at the time of deployment, right through to dynamic optimization and troubleshooting during operation. Besides improving network performance and customer experience, SON can significantly reduce the cost of mobile operator services, improving the OpEx-to-revenue ratio and deferring avoidable CapEx.

To support their LTE and HetNet deployments, early adopters of SON have already witnessed a spate of benefits - in the form of accelerated rollout times, simplified network upgrades, fewer dropped calls, improved call setup success rates, higher end-user throughput, alleviation of congestion during special events, increased subscriber satisfaction and loyalty, and operational efficiencies - such as energy and cost savings, and freeing up radio engineers from repetitive manual tasks.

Fixed Services in Emerging Asia-Pacific: Trends and Forecasts 2018-2023

Overall telecoms market revenue in emerging Asia-Pacific (EMAP) will grow at a CAGR of 1.2% over the next 5 years, from USD65.3 billion in 2018 to USD314 billion in 2023.

In this report, we examine key trends and drivers and provide a comprehensive fixed telecoms market forecast for the EMAP region and for six individually modelled countries.

This report provides:

- a 5-year forecast of 72 fixed KPIs for the EMAP region and for six key countries
- an in-depth analysis of the trends, drivers and forecast assumptions for each type of fixed service, and for key countries
- an overview of operator strategies and country-specific topics, which highlights similarities and differences between countries
- a summary of results, key implications and recommendations for fixed operators.
**Field Installable Fiber Optic Mechanical Connector Global Market Forecast & Analysis 2017-2027**

The global fiber optic connector consumption is driven by a dramatic increase in bandwidth demand beyond the limits of copper. Technological advances in fiber optics are assuring the migration of fiber closer and closer to the end user. This translates into demand for shorter links where connectors represent a substantial share of the total installation cost. The cost concerns are being addressed with the introduction of smaller, lower cost and easier and faster to install connectors.

It is sometimes the case that the required connectors are not attached to the optical fibers at the factory prior to installation in the field. Also, it is sometimes preferable to deliver the optical fiber (cable) to the customer installation location separately than with the connectors since the connectors have a greater diameter than the respective optical fiber cable, and may unnecessarily complicate the packaging and shipping of the optical fiber. Also, often the link length of the cable is not always pre-determined, therefore field-installable connectors are an option.

**Customer Data Platform Market by Type, Application (Marketing Segmentation, Personalized Recommendation, Campaign Management, Customer Engagement & Retention), Component, Delivery Mode, Enterprise Size, Vertical, and Region - Global Forecast to 2023**

MarketsandMarkets expects the global customer data platform market size to grow from USD 903.7 million in 2018 to USD 3,265.4 million by 2023, at a Compound Annual Growth Rate (CAGR) of 29.3% during the forecast period. Major growth drivers for the market include increasing demand for omni-channel experience and actionable insights by marketers, focus on effective tracking of customers to understand their behavior for target marketing activities, and increasing pressure on CMOs to deliver personalized customer experience. However, the lack of tools to integrate online and offline customer data in real-time and requirement of huge infrastructure or scalable solutions for collection and storage of large volumes of customer data may restrain the market growth.

"Customer engagement and retention segment to grow at the highest CAGR during the forecast period"

In the customer data platform market by application, the customer engagement and retention application segment is expected grow at the highest CAGR during the forecast period. Major growth drivers for the segment include the marketers' preference for customer data platform for customer treatments, such as personalized messages, real-time interactions, content recommendations, and customer journey orchestration helping to enhance customer loyalty and their organizations' ROI.
Global Wireless Point of Sale Terminals Market - Technologies, Market share and Industry Forecast to 2024

Global wireless POS terminal market is expected to rise with a CAGR of 12% during forecast period 2017-2024. The key factors driving the market growth are rise in cashless transaction across countries, rise in e-commerce transaction, increased adoption of wireless POS terminals by retailers, and increasing adoption of wireless technology in mobile handsets and wearable and mobile handsets. Whereas, market faces some restraints such as security concerns related to wireless technology and high cost of maintenance of wireless POS systems. Market has some opportunities such as reduced cost and increased reliability of wireless technology and increased adoption of dual-interface chip technology and increased application support by HCE (Host Card Emulation) and NFC (Near-Field Communication) that can help to boost the market growth. In contrast, some challenges faced by the market are low rate adoption of wireless POS terminals, low consumer awareness regarding wireless POS technology and lack of standardization.


This IDC study presents IDC's first digital transformation (DX) use case taxonomy for facility management. It includes descriptions of the strategic priority, programs, and use cases for this horizontal function. "Facility management is evolving from a purely operational functional model to one that plays a more strategic role in the business. In turn, facility management is undergoing a tremendous digital transformation and becoming a nexus of advanced technology. The future, in many ways, will be built on a foundation of digital transformation use cases listed within this document." - Kevin Permenter, senior research analyst, Enterprise Applications.

TABLE OF CONTENTS

- IDC's Worldwide Digital Transformation Taxonomy
- Digital Transformation Taxonomy Changes for 2018
- Taxonomy Overview
- Definitions
- Learn More
Mobile Services in Emerging Asia-Pacific: Trends and Forecasts 2018-2023

This report examines the key trends and drivers, and provides telecoms market forecasts for mobile communication services in emerging Asia-Pacific (EMAP). It includes worldwide context and commentary on six key countries: China, Indonesia, Malaysia, Philippines, Thailand and Vietnam.

This report and associated data annex provide:

- a 5-year forecast of 156 mobile KPIs for emerging Asia-Pacific as a whole and for 12 key countries
- an in-depth analysis of the trends, drivers and forecast assumptions for each type of mobile service, and for key countries
- an overview of operator strategies and country-specific topics, which highlights similarities and differences by means of a cross-country comparison
- a summary of results, key implications and recommendations for mobile operators.

Global Artificial Intelligence in Manufacturing Market - Technologies, Market share and Industry Forecast to 2024

Global artificial intelligence in manufacturing market is expected to rise with the CAGR of about 52% during the forecast period 2017-2024. The major drivers for this market are growing industrial IoT and usage of big data technology in the manufacturing industry, rise in usage of computer-based technology extensive usage of robotics by manufacturing companies, significant increase in venture capital investments and cross-industry partnerships. The major restraint for the market is lack of technically skilled personnel. Also, increasing operational efficiency in manufacturing firm and scope for AI based technology across emerging regions are major opportunities for the market. However, data privacy and security concern is the major market challenge.

Geographically, global artificial intelligence in manufacturing market report has been segmented in North America, Asia Pacific, Europe and Rest of World. North America is expected to dominate the market during the forecast period. Presence of majority of the market players of artificial intelligence across the region, venture capital investment across the region, etc. contribute towards the dominance of North America during the forecast period. However, Asia Pacific is expected to be the fastest growing region in artificial intelligence in manufacturing market during the forecast period due to growth in manufacturing sector across the region, increasing investments in artificial intelligence technologies, etc.
Big data makes use of parallel computing tools for handling data. Over the forecast years of 2018-2026, the global big data market is likely to prosper with a CAGR of 18.49%.

MARKT INSIGHTS

The global big data market is segmented on the basis of deployment mode, component, types and verticals. Deployment mode includes on-demand and on-premise deployment mode. The component of big data are software and services while the market type includes structured data, unstructured data and semi-structured data. The global big data market caters to verticals such as banking, financial services & insurance (BFSI), government & defense, healthcare & life sciences, manufacturing, retail & consumer goods, media & entertainment, energy & utility, transportation, it & telecommunication, academic & research institutions and other verticals.

REGIONAL INSIGHTS

The regional segmentation of the global big data market is done into Europe, Asia-Pacific, North America and rest of the world. North America captures the largest share in the global big data market. Major credit for this market’s expansion goes to the presence of key tech giants in the region who are involved in the big data market and investing heavily for further technological advancements. However, a significant CAGR rise is expected from the Asia-Pacific region. The Asian market has started adopting business learning and machine learning models which have tremendously contributed to its market growth.

Worldwide Tablet Forecast Update, 2018-2022: 2Q18

Worldwide tablet shipments declined 11.8% to 31.6 million in 1Q18 (5.1% below forecast). The forecast for the remainder of the year has been lowered 0.8%, resulting in an annual total of 152.0 million units (-7.2% annually) for 2018. Slate tablet shipments are expected to decline by 9.7% for 2018 and 4.7% annually through the remainder of the forecast period. After an underwhelming 2017 for detachables (2.2% growth) and a softer opening quarter to 2018 (-2.4%), the category is forecast to make a turnaround in the back half of the year, resulting in 9.2% growth for the full year with a 9.1% CAGR for the remaining years of the forecast. This IDC study provides a five-year forecast for the tablet market for 2018-2022. “The total tablet market remains a race to see when growth of detachables starts to offset long-term decay of the slate category,” states IDC Research Director, Devices and Displays, Linn Huang. “With convertibles continuing to gain, that inflection point continues to push ahead the horizon.”
**IDC’s Worldwide Digital Transformation Use Case Taxonomy, 2018: Legal and Corporate Strategy**

Published by IDC  
Pub. Date 2018/09/17  
Price  
USD 4500 PDF by E-mail (Single User License)

This IDC study presents IDC’s first digital transformation (DX) use case taxonomy for legal departments. It includes descriptions of the strategic priority, programs, and use cases for this horizontal function. “Legal departments are now connective tissue within the enterprise, connecting key stakeholders on topics ranging from risk management to corporate strategy. Embracing key technologies will not only shield the organization from risk and create efficiencies but will empower a more intelligent enterprise approach,” says Sean Pike, VP for Security Products and Legal, Risk, and Compliance at IDC.

**TABLE OF CONTENTS**

- IDC’s Worldwide Digital Transformation Taxonomy
- Digital Transformation Taxonomy Changes for 2018
- Taxonomy Overview
- Definitions
- Learn More

---

**Japan System and Service Management Software Forecast, 2018-2022**

Published by IDC  
Pub. Date 2018/09/17  
Price  
USD 4500 PDF by E-mail (Single User License)

This IDC study is a translation of the Japanese document. It classifies the Japan system and service management software market by functional segment and provides market forecast from 2018 to 2022. The study also provides forecast for the system and services management SaaS market as well as for related markets such as Japan unified endpoint management market and Japan network management software market. IDC Japan’s Research Manager for Software and Security, Mitsuhiro Iriya, says, “Investment toward operation automation tools will expand as user companies strengthen their initiatives related to worker reforms and reduction of operational errors. It is important for vendors to incorporate open source software and software as a service, as well as robotic process automation technology in system and service management software as well as provide advanced and sophisticated operation automation solutions”.

---

78
The warehouse management system (WMS) market was valued at USD 2.06 billion in 2018 and is expected to reach USD 4.82 billion by 2024, at a CAGR of 15.2% between 2018 and 2024. The growth of this market can be attributed to the growth in the e-commerce industry, emerging multichannel distribution channels, globalization of supply chain networks, increased adoption of on-cloud WMS solutions, and rising need for efficient forecasting models. However, factors such as data privacy and security concerns, and high implementation costs of on-premise warehouse management systems for SMEs are restraining market growth.

"On-cloud deployment of WMS to witness high growth during forecast period"

The market for on-cloud deployment is expected to grow at a high rate from 2018 to 2024. Key factors driving the growth of this market include the rising adoption of cloud services in the manufacturing and logistics industries, along with increased reliability of users on cloud companies. Benefits such as faster implementation, lower upfront installation and hardware costs, and faster return on investment are among the major factors driving the growth of the market for on-cloud deployment of warehouse management systems.