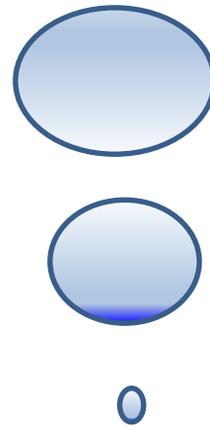




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**Digital Economy:  
Technology Service to Unions**

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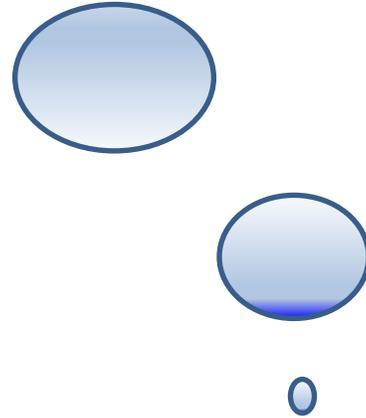
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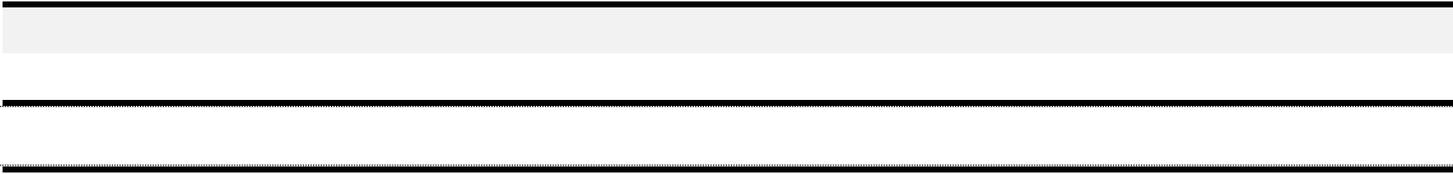
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**CHECK OUT THIS KEY TOPIC**

**Unions Can Leverage the Nuances of Technology to Recruit More Workers and Build a Stronger Union**



|   |  |   |
|---|--|---|
| <b>Technology Service to Unions</b><br>Digital Economy<br>Innovation<br>Self-Driving Cars<br>Lidar<br>Bio-Materials<br>Nanotechnology | <b>Robots</b><br>Artificial Intelligence (AI)<br>Mega Data Centers<br>Watson Data Platform<br>400G Optical Transceivers<br>400G Transmitter /<br>Transceivers<br>Mega Datacenter | <b>Online Commerce</b><br>Streaming Video<br>Social Networking<br>Cloud Services<br>Scalable Infrastructure<br>IoT Internet of Things |
|---|--|---|

**Smart Devices and Robots, Artificial Intelligence**

**Digital Economy: Technology Service to Unions**

LEXINGTON, Massachusetts (November 18, 2017) – WinterGreen Research announces that it has initiated a new service “Digital Economy: Technology Service to Unions” a way for union leaders to get quick and accurate insight into technology that relates to their charter of serving workers well. The WinterGreen Research technology information services include provide immediate answers to questions, with the answers providing a key insight about the details of the technology and the relevance to a particular issue.

The service also addresses ways to create jobs and support innovation with skills training at union headquarters to address teamwork for raising skills in an entire group of local union members. By concentrating on skills, the union would be one of supporting worker mobility. Because the union members are the most skilled at what they do, the benefit of grouping together in the union would be to achieve shared expertise and shared values that the employers need.

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This is in the tradition of the union movement, but changes the positioning a little and may be more attractive to workers who need representation in various work capacities relating to robots, artificial intelligence, and new materials.

According to Susan Eustis, lead analyst:

In an era when skills have come to be valued, when retraining is a necessity, and when robots threaten to replace most manual labor, I suggest that the unions embrace robots and learn how to create skilled workforces that perform jobs that are relevant to the modern industrial culture. I suggest that the task of the union is not just to find work for the worker, but to create investments and savings for the same workers, create money management capability with benefit that flows to every worker in the union, local union or national union.

WinterGreen Research is an independent research organization funded by the sale of market research studies all over the world and by the implementation of ROI models that are used to calculate the total cost of ownership of equipment, services, and software. The company has 35 distributors worldwide, including Global Information Info Shop, Market Research.com, Research and Markets, and electronics.ca.

WinterGreen Research is positioned to help customers facing challenges that define the modern enterprises. The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise. Customers trust wintergreen research to work alongside them to ensure the success of the participation in a particular market segment.

WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.

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Key Words: Technology Service to Unions, Digital Economy, Innovation, Self-Driving Cars, Lidar, Bio-Materials, Nanotechnology, Robots, Artificial Intelligence (AI), Mega Data Centers, Watson Data Platform, 400G Optical Transceivers, 400G Transmitter / Transceivers, Mega Datacenter , Online Commerce, Streaming Video, Social Networking, Cloud Services, Scalable Infrastructure, IoT Internet of Things., ,

## Digital Economy: Technology Service to Unions

### Report Methodology

This is the 727th report in a series of primary market research reports. WinterGreen Research has been preparing market research studies on innovation and technology since 1985, documenting the value of change.

The analyst process is concentrated on getting good market numbers and good grasp of the technology, describing how it will grow. This process involves looking at the use of current processes and understanding the value of change from several different perspectives, including noting the scientific literature. The interview process is an essential aspect as well. We do have a lot of granular analysis of the different shipments by segment and by vendor to validate the rapid adoption of technology by various subgroups of the general population.

Materials presented reflect analysis of the market trends in the segment and related segments. Over 200 in depth interviews are conducted for the white paper, reflecting information gathered from a broad range of key participants and industry leaders in the market segment.

Much of the information in the white paper has been developed from WinterGreen research proprietary data bases constructed as a result of preparing market research studies that address the change in technology in businesses.

## You Must Have This Service

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The service is designed to give a comprehensive overview of the innovation occurring and the technology being implemented for aspects of a segment of the digital economy market. Research represents a selection from the mountains of data available of the most relevant and cogent market materials, with selections made by the most senior analysts. Commentary on every aspect of the market from independent analysts creates an independent perspective in the evaluation of the market. In this manner the study presents a comprehensive overview of what is going on in this market, assisting managers with designing market strategies likely to succeed. The service is responsive to questions lawyers ask.

## Technology Service to Unions

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## About The Authors

### **Susie Eustis, Ph. D.,**

Susie Eustis, Ph. D., Vice President of Development, member of the Board of Directors of WinterGreen Research. Dr. Eustis has worked with WinterGreen Research for almost 20 years on market research reports to determine size of future markets and identify best in class technologies. Her Ph. D. was on the optical properties of gold and silver nanoparticles. Her review article “Why Gold Nanoparticles are More Precious than Pretty Gold” which introduces the science and applications of gold nanoparticles is one of the premier articles in nanotechnology with more than 1,700 citations. Susie has been working with a VC group out of Washington DC, looking at start-up companies and innovation. Previously she was a Research Scientist at Directed Vapor Technologies International (DVTI), specializing in grant writing and grant execution as well as strategic project direction planning. Prior to DVTI, Dr. Eustis was a National Research Council (NRC) Post-Doctoral Associate at the National Institute of Standards and Technology (NIST) working on characterizing nanomaterials. She is a graduate of Georgia Institute of Technology Laser Dynamics Laboratory and Rochester Institute of Technology (RIT). She also participated in Research Experiences for Undergraduates (REU) at CERN (European Organization for Nuclear Research) in Geneva, Switzerland.

Susie had broad experience in technology within companies and in innovation for business.

\*Members of the WinterGreen Research analyst team contributed to this paper.

## WinterGreen Research, INC.

**Susan Eustis**, President, co-founder of WinterGreen Research, is a senior analyst. She has done research in communications, healthcare equipment, and computer markets and applications. She holds several patents in microcomputing and parallel processing. She has the original patents in electronic voting machines. She has new patent applications in format varying, multiprocessing, electronic voting, and oxygen management. She is the author of recent studies of the drone and robot marketing strategies, Internet equipment, biometrics, biomaterials, a study of Internet Equipment, Artificial Intelligence, IoT, Worldwide Telecommunications Equipment, Top Ten Telecommunications, Digital Loop Carrier, Web Hosting, Web Services, and Application Integration markets. Ms. Eustis is a graduate of Barnard College. Ms. Eustis was named Top Woman CEO in 2012 by Who's Who Worldwide. She was named Top Woman Market Research Analyst in 2012, 2013, 2014, 2015, and 2016. She has been twice featured on the cover of the Women of Distinction magazine. She was cited in a recent Time Magazine article and major media articles on Youth Sports market growth.

**About the WinterGreen Research Team:** The WinterGreen Research Team is comprised of senior analysts that prepare the market research and analysis that is offered to the client and developed using an iterative process to achieve a final study. Typical projects include providing market/viability research. The team can look at how drones can be applied to critical infrastructures safety, including: type of market existing, Barriers, Forecast demand and competitors, SWOT and competitive advantages, Price Analysis, product design recommendations (marketing orientation).

Research is typically for many different regions or localities, for example EU countries including Spain, UK, Nordic, Germany, and France. Typical projects profile the United States and areas of Asia. It is common to three representative countries from South America, Brazil, Argentina, Chile, and Mexico. Representative countries from Asia APAC typically include Japan, China, India, and Australia.

Critical infrastructure safety, including: type of market existing, barriers to entry and to faithful execution of product provision, forecast of demand, market share, SWOT, competitive advantage of major competitors, identification of new technologies and new companies, price performance analysis, product design recommendations, and marketing considerations are typical topics covered.

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## ABOUT THE COMPANY

**WinterGreen Research**, research strategy relates to identifying market trends through reading and interviewing opinion leaders. By using analysis of published materials, interview material, private research, detailed research, social network materials, blogs, and electronic analytics, the market size, shares, and trends are identified. Analysis of the published materials and interviews permits WinterGreen Research senior analysts to learn a lot more about markets. Discovering, tracking, and thinking about market trends is a high priority at WinterGreen Research. As with all research, the value proposition for competitive analysis comes from intellectual input.

**WinterGreen Research**, founded in 1985, provides strategic market assessments in telecommunications, communications equipment, health care, Software, Internet, Energy Generation, Energy Storage, Renewable energy, and advanced computer technology.

Industry reports focus on opportunities that expand existing markets or develop major new markets. The reports access new product and service positioning strategies, new and evolving technologies, and technological impact on products, services, and markets. Innovation that drives markets is explored. Market shares are provided. Leading market participants are profiled, and their marketing strategies, acquisitions, and strategic alliances are discussed. The principals of WinterGreen Research have been involved in analysis and forecasting of international business opportunities in telecommunications and advanced computer technology markets for over 30 years.

The studies provide primary analytical insight about the market participants. By publishing material relevant to the positioning of each company, readers can look at the basis for analysis. By providing descriptions of each major participant in the market, the reader is not dependent on analyst assumptions, the information backing the assumptions is provided, permitting readers to examine the basis for the conclusions.

WinterGreen Research is positioned to help customers facing challenges that define the modern enterprises. The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise. Customers trust wintergreen research to work alongside them to ensure the success of the participation in a particular market segment.

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