Lumen is an American multinational technology company dedicated to furthering human progress through technology by digitally connecting people, data, and applications – quickly, securely, and effortlessly. To accomplish this, Lumen provides the fastest, more secure platform for next-generation applications and data to help businesses, government, and communities adopt emerging technologies.

To learn more about Lumen and its Edge Computing Solutions enabled by Intel, please visit:

Message from the Sponsors

Modernizing Manufacturing Processes with Edge Computing

The manufacturing industry is automating the optimization of operational processes by modernizing infrastructure and applications with the help of edge computing. Investments in edge computing have a positive impact on the business.

Driving Value to the Business

Benefits of Edge Technology

Success Through Use Cases

Leveraging a Trusted Partner in Manufacturing

Essential Guidance to Manufacturers

Embrace edge computing to improve operations and create differentiation in the market.

Partner with a service provider that understands unique industry needs.

Select use cases that drive meaningful business and technical benefits.

Choose project-based and managed services to de-risk the deployment journey spanning design, implementation, deployment, and support.

n = 107; Source: IDC's Lumen Edge Solutions Thought Leadership Survey, November 2022

Among manufacturing companies:

76% employed managed services (ongoing life-cyle management)
68% employed professional services (project-based advisory services)

Among manufacturing companies that have adopted edge computing:

62% increased time to market through accelerating innovation
54% improved security and data protection
43% improved quality of products and services
42% reduced infrastructure complexity
29% reduced infrastructure costs (e.g., network bandwidth, servers, and storage)
62% increased productivity through automating processes
54% improved security and data protection
42% reduced infrastructure complexity
n = 74; Source: IDC's Lumen Edge Solutions Thought Leadership Survey, November 2022

For manufacturing companies:

n = 107; Source: IDC's Lumen Edge Solutions Thought Leadership Survey, November 2022
56% improved time to market through accelerating innovation
38% experienced faster decision processes and actions on local data
43% improved quality of products and services
29% reduced infrastructure costs (e.g., network bandwidth, servers, and storage)
62% increased productivity through automating processes
54% improved security and data protection
42% reduced infrastructure complexity

For manufacturing companies that have adopted edge computing:

n = 107; Source: IDC's Lumen Edge Solutions Thought Leadership Survey, November 2022

Automated in-line optical inspection to detect and flag defects
System-wide process control in real time to regulate and manage processes
Guided workflows using augmented or virtual reality
Productivity enhancements for existing facilities

For manufacturers:

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68% employed professional services (project-based advisory services)

Among manufacturing companies:

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