Edge computing is gaining momentum across industries. In the near future, edge computing will enable manufacturers to transform their operations by providing real-time, low-latency access to data from IoT devices. This can improve decision-making processes and enhance operational efficiency.

Manufacturing's edge future

- 89% of manufacturing IT executives expect edge computing to be a key component of their strategy in the next three years.
- 79% believe that edge computing will have a positive impact on their business within five years.
- 87% of manufacturers see edge computing as essential for meeting customer expectations.
- 86% believe that edge computing will enable them to achieve 100% accuracy in machine operation.

Key drivers for edge adoption:

- 44% mention the need for better real-time monitoring and analysis.
- 56% highlight the importance of improved security and compliance.
- 53% emphasize the need for faster decision-making capabilities.

What are the leading use cases for the manufacturing edge?

- Predictive maintenance
- Product quality and yield
- Improved process and equipment efficiency

How do manufacturers perceive the impact of edge computing on their operations?

- 86% believe that edge computing will enable them to achieve real-time insights into their operations.
- 78% expect edge computing to improve visibility into supply chain operations.
- 90% see edge computing as a key enabler for achieving higher levels of automation.

Edge's most positive impacts:

- 55% increased productivity
- 44% reduced operational costs
- 45% improved asset utilization

Dell Technologies

We simplify your edge so you can focus on business outcomes. Dell Technologies offers a comprehensive portfolio of edge computing solutions, including servers, networking, and software, to help you transform your business.