Edge computing is gaining momentum across industries

What do manufacturing executives expect the edge to deliver?

- Increased operational efficiency and productivity
- Simplified data management
- More secure IoT data handling
- Simultaneous monitoring of OT and IT assets
- Predictable cost and performance levels

Edge computing is used to deliver new levels of security, scalability, and efficiency.

New IT infrastructure will be deployed and planned.

Billions of sensors worldwide are being deployed.

Manufacturing executives expect the edge to achieve this in 3-5 years.

- 50% of the IT team expects to see the edge in 2 years.
- 90% of the IT team expects to see the edge in 5-7 years.

What are the leading use cases for the edge?

- Predictive maintenance and quality
- Simultaneous monitoring of OT and IT assets
- Simplified data management
- More secure IoT data handling
- Predictable cost and performance levels

Who sees the edge as a critical enabler of high-value technologies like AR/VR and 5G?

- Product/Manufacturing managers
- Finance managers
- Operations managers
- Legal advisors

56% of IT leaders agree that the transformative benefits of the edge are in reach.

How do the manufacturing executives expect the edge to transform manufacturing in the near future?

- 86% of manufacturing executives agree that smart factories will be enabled by edge computing in the near future.
- 78% believe that edge computing will enable the transformation of manufacturing.
- 90% of IT leaders agree that IT teams can focus on IT outcomes.

Edge computing will lead to improved security.

- 55% of the IT team expect to see an improvement in security.
- 44% expect to see an improvement in operational excellence.
- 45% expect to see an improvement in cost and performance levels.

What is the timeline for seeing this shift?

- 44% expect to see this shift in 2 years.
- 55% expect to see this shift in 3-5 years.
- 42% expect to see this shift in 5-7 years.

The survey conducted by 451 Research, as part of a joint report prepared by Van Gorden and Beyond, shows clear momentum for edge computing in manufacturing.

Future Scenes and Beyond's exclusive studies of manufacturing edge cases, and set new standards for quality assurance.

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