Creating a remarkable factory with edge and 5G

When information technology (IT) and operational technology (OT) teams leverage the combined power of edge computing and 5G, remarkable results are possible.

* Strongly or somewhat agree, based on the question: “Thinking about the edge (compute, storage, networking, sensors), in the next 3-5 years, to what extent do you agree or disagree with the following statements?”

Source: Dell Technologies Research, July 2020

Drive overall equipment effectiveness
Lower costs of goods sold
Improve safety
Supply chain efficiencies with real-time control of logistics and warehousing
Better use of raw materials and optimized yields
Improved safety
More informed and effective workers
Maximum overall equipment effectiveness and minimum downtime
Enhanced asset and inventory management

From smart to remarkable

Inside the remarkable factory

Taking digital transformation to new levels, remarkable factories are powered by artificial intelligence and streaming analytics with low latency connectivity. Generating real-time insights from operational technology data enables enterprises to automate processes, which in turn improves overall equipment effectiveness and safety while lowering costs of goods sold.

We will be able to predict machine downtime with close to 100% accuracy with edge sensors

88%

Edge will make data from the Industrial Internet of Things more secure and less hackable

87%

Edge will be one of the biggest computing transformations in manufacturing history

83%

The transformative role of 5G

The power of 5G for many becomes a reality through:

- Increased bandwidth with imminent edge deployments and implementation to enable real-time analytics
- Ultra-low latencies: improving an infrastructure that demands immediate responses
- Enhanced connectivity capability, without the limitations of virtual connections
- Critical connectivity: for remote and time-critical locations that are difficult or impossible to connect

Start the journey to extraordinary results

The combination of edge computing and 5G ultimately enables manufacturers to achieve efficiencies and productivity that can only enable processes and events around the world. This infrastructure is an essential step to make your enterprise as smart as it can be.

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