

DELL VALIDATED DESIGN FOR MANUFACTURING EDGE WITH PTC

Drive operational excellence with a simplified manufacturing edge to unlock production hours

Solution Highlights



Award-winning
HCI —Dell VxRail



Interoperable
architecture



DPM dashboards for
closed-loop insights



Intrinsic security
across edge estate



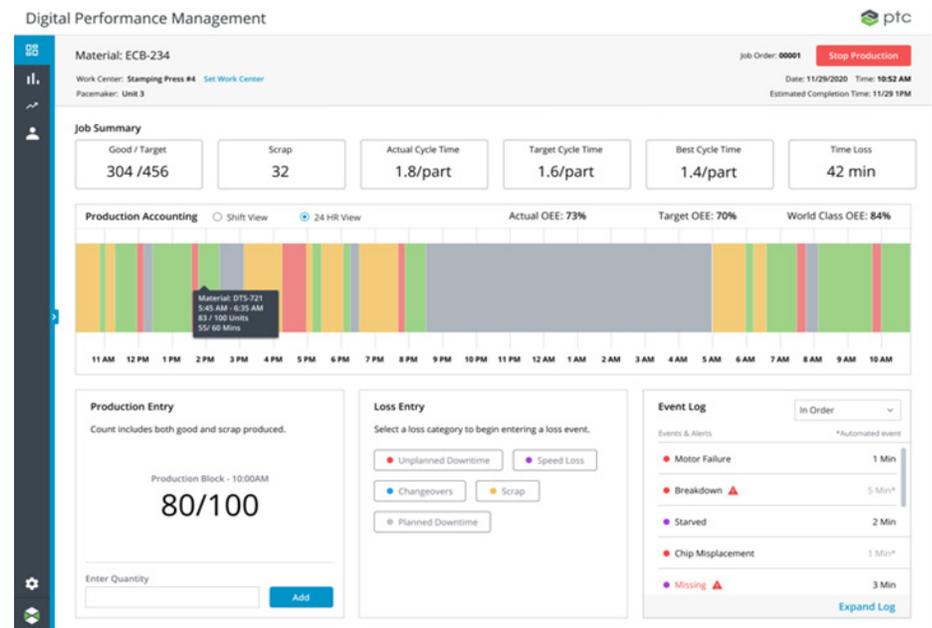
Industrial
connectivity



Consumption
flexibility

Manufacturers are increasingly investing in edge computing. However, the explosive growth of IoT devices creates challenges around data management, security, scalability, and real-time performance at the edge. The piecemeal edge initiatives have created hardware and software sprawls across factory floors. Besides, the data deluge from the edge is useful only if it enables and supports better decisions to improve productivity, asset utilization, OEE, and more.

The Dell Validated Design for Manufacturing Edge with PTC is a scalable and interoperable solution to consolidate applications and power live insights for operational excellence. The solution simplifies infrastructure complexities at the edge and leverages PTC's ThingWorx platform with the Digital Performance Management (DPM) extension for continuous, prioritized process improvement.

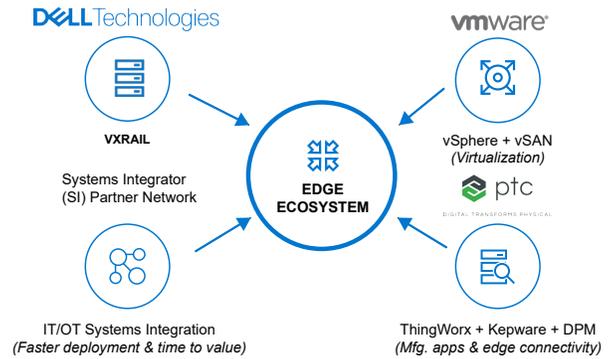


Key solution advantages

- **Consolidate for agility and efficiency** by eliminating silos and simplifying the complexity of infrastructure management
- **Optimize with prioritized operational insights** shared in real-time across the operations hierarchy to facilitate decisions that unlock production hours
- **Scale-up securely** with fast, secure, and resilient edge performance using the underlying VxRail, from initial factory pilots to a global rollout

Power of ecosystem

The Dell Validated Designs for Manufacturing Edge are built in collaboration with industry leaders like PTC, VMware, and more with a network of System Integrator partners. These solutions provide a comprehensive ecosystem to address end-to-end manufacturing edge challenges.



Unlock production hours with Digital Performance Management

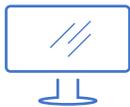


- Top-down performance management, conveyed in **time lost**
- Continuous, real-time, **closed-loop problem-solving solution**
- **In-context measurement** to empower frontline workers
- Focus on the **most pressing, high-value use cases** in manufacturing
- Fast **time to value** with rapid implementation

Simplify your edge for insights that drive operational excellence

Dell Validated Design for Manufacturing Edge with PTC is the first enterprise-scale, validated deployment of PTC-DPM capabilities using Dell's leading infrastructure. This solution simplifies identification of root cause problems impacting productivity and facilitates decisions to drive operational excellence.

<ul style="list-style-type: none"> • Increase ROI with reduced sprawl, higher availability, and greater resiliency of applications 	<ul style="list-style-type: none"> • Gain efficiencies in operational and IT maintenance with a global view of operations from a single pane
<ul style="list-style-type: none"> • Modernize technology stack to support AI/ML capabilities and real-time analytics at the edge 	<ul style="list-style-type: none"> • Maximize business impacts with insights that identify and prioritize issues impacting operational productivity
<ul style="list-style-type: none"> • Streamline use cases for predictive maintenance, asset monitoring, overall equipment effectiveness, quality assurance, and yield optimization 	<ul style="list-style-type: none"> • Build transparency & accountability with universal view of performance communicated in standardized business metric of "time lost"



Learn more about our edge Solutions



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