Powering the **Factory of the Future** with Digital Electricity™

VOLTSERVER DIGITAL ELECTRICITY™

The digital transformation of legacy manufacturing control systems into converged and hyperconnected IT/OT networks requires "Thick-Edge" Data-Hungry analytics and processing requirements at the edge. **VoltServer's Fault Managed Power Systems support rapid remote-power deployment for industrial edge networking deployments.** Our patented Digital Electricity solutions allow power and fiber deployment in the same pathway, providing fast, reliable connectivity for modern manufacturing technologies wherever needed.

GenAI Technologies & Machine Learning (ML)

Quality Inspection and Assurance: ML deployed on edge AI can analyze real-time sensor data to identify defects and ensure product quality.

Predictive Maintenance: ML models on edge devices can monitor equipment and predict maintenance needs based on real-time data, preventing costly downtime.

Manufacturing Process Optimization: Edge AI-driven ML can optimize manufacturing processes by analyzing data from various stages of production.

Supply Chain Optimization: AI/ML data analysis of inventory levels, demand forecasts, and transportation logistics, edge can optimize supply chain operations.

Industrial Edge Computing: Consolidating IT and OT resources for data processing at the industrial edge can reduce costs, optimize operations, and increase uptimes.

Autonomous Mobile Robots (AMR): AMR units will require strategically placed charging stations or in-motion charging pads located in new as well as existing manufacturing environments.

Advanced High Throughput Wireless: For Wi-Fi 6 and 6E wireless solutions fiber is much more attractive than running 4 Cat 6 cables to each IP, but fiber requires an alternate power source than PoE.

Learn more about our Digital Electricity solutions for manufacturing at voltserver.com/industrial-manufacturing