NORSEMAN
DEFENSE TECHNOLOGIES

Smart Manufacturing & Industrial IoT

Modern industrial environments generate enormous volumes of sensor, machine, and environmental data. Edge storage ensures that this data is stored close to where it is created—on the factory floor—enabling real-time monitoring and decision-making without overwhelming cloud infrastructure.

Key Benefits

> **Minimized Downtime: Enables predictive maintenance through immediate access to sensor analytics.**

> **Local Resilience: Maintains operations during network outages by storing data on-site.**

> **Reduced Cloud Costs: Cuts cloud storage and transfer fees by filtering and processing data locally.**

> **Enhanced Worker Safety: Supports real-time monitoring of environmental and machine data to reduce hazards.**

> **Improved Product Quality: Enables on-the-fly quality control through instant access to production metrics.**

> **Faster Time to Insight: Delivers faster analytics and operational feedback loops at the source.**

Intro to Edge Computing

In today's fast-evolving landscape, the need for real-time data processing and actionable insights at the edge has become a critical priority for mission-critical operations. Odin's Edge, powered by Norseman Defense Technologies, is designed to address these demands by delivering scalable, high-performance computing solutions in ruggedized, portable environments. This solution brings unparalleled flexibility, enabling data-driven decisions at the tactical edge while ensuring robust security and seamless scalability.

Core Capabilities:

> **On-Prem Data Collection: Aggregates and stores machine and sensor data in real-time.**

> **Edge-Based Analytics Integration: Supports local processing tools for time-sensitive decisions.**

> **Secure Connectivity: Protects operational technology (OT) networks with hardened security.**

> **High-Capacity, Rugged Storage: Handles large datasets in high-vibration, high-temperature environments.**

> **Workflow Optimization Support: Enables real-time digital twins and process improvement cycles.**

> **Modular Deployment Options: Scales across lines, cells, or entire facilities as needed.**