

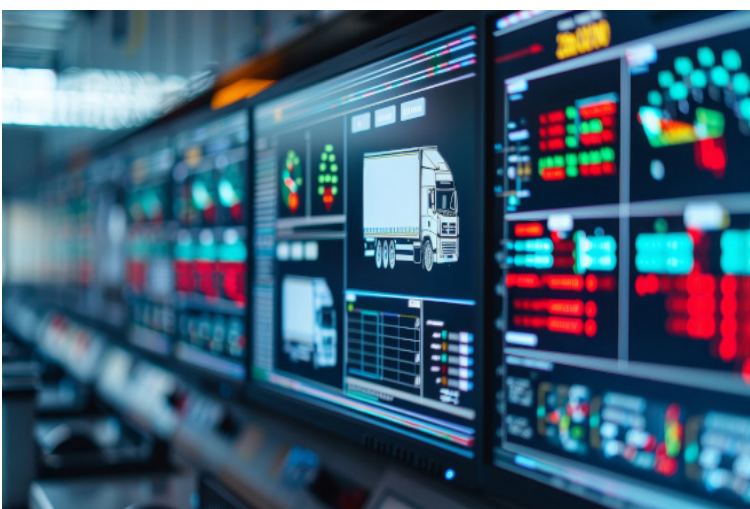


Autonomous Vehicle Fleet Management

Self-driving cars, drones, and robotic delivery fleets generate enormous data streams that must be processed immediately for safe and efficient operation. Edge storage allows for local data capture and retention, providing the speed and reliability needed for real-time decision-making.

Key Benefits

- > **Real-Time Navigation:** Enables vehicles to respond to hazards and obstacles without cloud delays.
- > **Data Lifecycle Control:** Maintains only relevant or mission-critical data for long-term storage.
- > **Improved Operational Uptime:** Allows continuous function without reliance on persistent network connections.
- > **Fleet-Wide Synchronization:** Supports rapid software updates and map synchronization at distributed hubs.
- > **Privacy Compliance:** Ensures that sensitive location or camera data remains on-device or on-site.
- > **Bandwidth Efficiency:** Minimizes cloud backhaul by storing and analyzing data locally.



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:

- > **Local Video and Sensor Capture:** Stores multi-modal data including LIDAR, radar, and HD video.
- > **Real-Time Logging and Playback:** Provides instant replay and forensic analysis after incidents.
- > **Dock-Side Upload Stations:** Enables fast off-loading and syncing of edge data at depot locations.
- > **Secure Data Channels:** Implements encrypted transfers between vehicles and storage nodes.
- > **Vehicle Health Monitoring:** Logs operational diagnostics for preemptive maintenance actions.
- > **Custom Retention Policies:** Enables local or cloud archival based on mission and policy needs.