Tactical Edge Deployments for Forward-Operating Forces

Design and deployment of tactical edge infrastructure that delivers cloud-native compute, storage, and applications in forward environments, purpose-built for disconnected, denied, intermittent, and limited (DDIL) operations.

PRACTICE

Cloud and Edge

CLIENT PROFILE

Military unit or expeditionary force requiring deployable IT infrastructure with cloud-native capabilities at forward operating bases, ships, or mobile command posts

Challenge

- Forward forces unable to access cloud-hosted mission applications during connectivity outages
- Tactical IT kits that are difficult to deploy, manage, and update in the field
- No standardized platform for running containerized applications at the tactical edge

Approach

- Design deployable edge kit with ruggedized compute, storage, and networking in portable form factor
- Implement Kubernetes-based platform for running containerized mission applications at the edge
- Establish automated synchronization with rear-echelon data centers during connectivity windows
- Create deployment playbooks enabling setup by personnel without deep IT expertise

Typical Outcomes

- Mission application availability maintained regardless of connectivity status
- Rapid deployment capability with setup measured in minutes rather than hours
- Automated data synchronization ensuring consistency when connectivity is restored

Procurement Paths

- NASA SEWP V and SEWP VI for ruggedized edge computing hardware
- ITES-4H for Army tactical IT equipment
- GSA MAS for edge platform engineering and deployment services

Compare vehicles and ordering steps on **How to buy**.

Partner Technology Examples

- Hewlett Packard Enterprise
- Dell Technologies
- Spectro Cloud
- Rancher Government Solutions

FEATURED PRODUCT

Odin's Edge: the operated site

Norseman runs a secure cloud at your site. You run the mission.

Odin's Edge is Norseman's managed edge platform. It puts compute, storage and network at the site under one controlled architecture, on the hardware you already run, integrated and tested in our lab before it ships. Applications arrive hardened, with the configuration baselines and test reports your security team needs. Norseman operates it around the clock or hands it to your team with the same console. Buy it as one line on your vehicle or as a per site subscription.

The same site runs the AI when the mission is ready.

Frequently Asked Questions

What is Norseman's Odin's Edge platform?

Odin's Edge is Norseman's managed edge platform. It puts compute, storage and network at the site under one controlled architecture, delivers hardened applications with the configuration baselines and test reports that support an ATO, and is operated by Norseman or handed to the unit's team. It is built for DDIL (disconnected, degraded, intermittent, and limited bandwidth) operations.

How can DoD units procure tactical edge solutions from Norseman?

Tactical edge hardware and solutions are available through ITES-4H (Army CHESS), NASA SEWP V and VI, and GSA MAS. Contact sales@norseman.com or call 410.579.8600.

What connectivity options does Odin's Edge support?

Odin's Edge supports private cellular, satellite uplink, mesh networking, and wired or wireless connections depending on configuration. The site keeps running when every link is lost and synchronizes when a link returns.

This is a representative use case. To request a briefing or a quote, contact Norseman Defense Technologies at 410.579.8600 or sales@norseman.com.