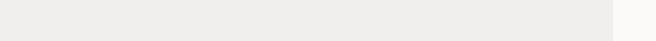ORACLE

3 Ways Oracle Powers Autonomous Edge Systems

Oracle is enabling autonomous edge operations with Oracle Cloud Infrastructure (OCI)—delivering real-time AI, secure data capture, and low-latency decision support in mission-critical environments.

Disconnected, contested edge

Real-time edge AI

Missions require real-time data processing and AI analysis at the edge—without the latency introduced by reachback to a centralized infrastructure.

Secure data collection

Tactical platforms must capture and secure data across disconnected, high-threat zones while meeting zero trust and data provenance standards.

Low-latency decision-making

Operators need low-latency compute to make autonomous or human-in-the-loop decisions in contested or GPS-denied environments.

Autonomy with mission-ready AI

AI deployment at the tactical edge

Oracle brings GPU-accelerated AI inference to tactical environments via ruggedized OCI deployments, supporting real-time ISR, targeting, and autonomy at the edge.

Hardened, field-ready infrastructure

OCI supports edge-to-core security with automated encryption, zero trust segmentation, and tamper-resistant hardware for forward-deployed missions.

Localized processing at speed

Oracle's edge solutions deliver local compute, storage, and AI inference to support rapid decision cycles—field-tested with multiple customers globally.

CRITICAL INSIGHTS

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With ruggedized OCI deployments, Oracle enables real-time AI, secure data capture, and rapid decision cycles for autonomous edge missions.

Enable decision superiority with Oracle's autonomous edge infrastructure.

Discover how Oracle delivers secure, real-time AI and resilient edge infrastructure to transform your autonomous operations across domains.

Learn more