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SOFTWARE + HARDWARE
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FIELDKIT

CHALLENGE

Operators working in challenging industrial environments—with limited connectivity and unstable power—must be able to process timely, actionable insights from multiple data sources, whether generated on-site or delivered from central operations.

SOLUTION

The MAC FIELDKIT is an on-site AI/ML operations center engineered for industrial deployment — enabling high-speed, high-fidelity decision-making directly at the point of risk, without reliance on cloud infrastructure or back-office coordination.

Whether staged at a jobsite, inside a mobile command trailer, or in a remote asset zone, FIELDKIT empowers operators to collapse the distance between hazard identification, operational action, and system feedback — all from a ruggedized field node.

01 Mobile by design — Carry, strap, or vehicle-mount. Deploy in minutes. Runs on battery while moving; charge via AC/DC/vehicle.

02 Built for industry — Hardened enclosure, shock/impact tolerant, dust/water resistant, glove-friendly controls, daylight-readable screens.

03 Power — Onboard battery + UPS + pass-through. Clean DC out for cameras, sensors, and radios.

04 Connectivity — Satellite/LTE/Wi-Fi/Ethernet with auto-failover; external antenna pass-throughs.

05 Compute — Accelerator-class edge module (GPU/NPU) + NVMe for fast local processing.

06 I/O — USB/PoE/Serial/GPIO/HDMI to integrate PLCs, gauges, scanners, and cameras.

07 Geo/Time — GNSS/RTK for precise location and verifiable time/geo-stamped logs.

fixed job boxes stay put; FIELDKIT moves with the work—powered, connected, and AI-ready anywhere on site.

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