



AID EDGE INC. PREDICTIVE OUTAGE INTELLIGENCE

Making telecom networks
predictive, resilient, and secure at the edge.



THE PROBLEM:

HIGH-STAKES TELECOM REALITY

- **Reactive Operations:** Heavy reliance on manual NOC intervention results in long MTTR and costly truck rolls.
- **Intelligence Blind Spots:** Weather, geography, and infrastructure risks are only visible after failures occur.
- **Siloed Network Data:** KPIs, topology, alarms, and logs remain fragmented across systems.



THE AEI SOLUTION: CORE VALUE

- **Predictive Outage Intelligence:** Data-driven risk prediction with operator-defined horizons, aligned with network conditions and available data.
- **Edge-Native Execution:** Real-time intelligence and autonomous actions delivered directly at the edge.
- **Operator Command Center:** A unified, NOC-ready interface for proactive network control and decisions.



TELECOM-GRADE R&D (AUG 2024 – DEC 2025)

- **Software Assets:** 24 proprietary AEI SDK libraries + 69 integrated, production-oriented modules
- **Validation Environment:** 30-tower urban simulator (weather, mobility, QoE, signal behavior)
- **Standards & Security:** Embedded 3GPP KPI validation with Zero-Trust-ready architecture
- **System Validation:** End-to-end cloud-to-edge execution with operator-facing Command Center, validated on NVIDIA Jetson



STRATEGIC PILOT PROGRAM – PATH TO 2026:

LOW-RISK • HIGH-IMPACT • OPERATOR-READY

- **Phase 1 – Scope & KPIs:** Targeted use-case definition, outage scenario modeling, and KPI alignment.
- **Phase 2 – Shadow-Mode Execution:** Secure data integration and non-intrusive model execution on live networks (zero traffic impact).
- **Phase 3 – Validation & Readiness:** Performance assessment and ROI reporting to support 2026 deployment decisions.

Key Outcomes

- **Operational Efficiency:** Reduced truck rolls and manual NOC intervention
- **Network Resilience:** Validated predictive intelligence under real conditions
- **Executive Artifact:** Data-backed report for internal alignment and scale-up