

AIOps Use Cases & Pipeline

Five ways AIOps improves IT operations — and the pipeline every one of them runs on

Five AIOps use cases

1. Predictive hardware failure management

Component-level telemetry plus trend analysis forecasts fan, PSU, and disk degradation — maintenance is scheduled before failure.

2. Intelligent network monitoring

Topology visibility, anomaly detection on link health and traffic, business-impact alert prioritization, ITSM integration.

3. Root cause analysis across hybrid environments

Correlates hardware sensors, virtualization, applications, and services — reducing MTTR and separating cause from symptom.

4. Capacity planning and resource optimization

Usage trends predict future needs, find underutilized servers, and cut energy cost through smarter placement.

5. Enhanced security and compliance

Flags configuration drift and firmware issues; a continuously accurate device inventory supports audits.

The AIOps pipeline



Outcomes in practice*

Financial services

40% reduction in server downtime via predictive failure alerts

Manufacturing

Root-cause analysis for network anomalies cut from hours to minutes

Healthcare

15% energy savings and 20% rack density gain from AI-driven recommendations

* Case examples are anonymized composite scenarios based on real-world deployment patterns.