

Use Case:



NOC Center Modernization

for a Growing Network

Problem Statement:

For a leading mobile operator in Uzbekistan, network growth had outpaced the operational tools designed to manage it.

By the time a fault became visible to the operations team, it had already reached the subscriber. Existing tools could not process the volume of events the network produced, and visibility depended on which team happened to notice a problem first. Fault management relied on manual effort across isolated interfaces, and repair coordination ran through disconnected channels. With a rapidly expanding base station footprint, these limitations were becoming a direct risk to service quality.

Solution Overview:

TechNarts brought together its NART OSS Suite capabilities to give the operator a single, always-current view of its network.

- **All network domains brought into a single monitoring platform**, eliminating the fragmented view that had left parts of the network invisible.
- **Proactive outage detection** identified developing issues and initiated escalations before customers experienced any service degradation.
- **Continuous KPI monitoring** embedded into daily operations, giving teams the visibility needed to protect subscriber experience as demand grew.
- **Root cause analysis automated** through alarm singularization logic, enabling engineers to pinpoint the true fault source in seconds.
- **Real-time event correlation and filtering** surfaced only what required attention, removing noise that had consumed operational capacity.
- **OSS/BSS integration** ensured operational data flowed consistently across teams, eliminating information gaps.

About TechNarts

TechNarts is a leading **OSS provider** with deep expertise in telecom software **since 2007**. Through its **NART OSS Suite** product family, it delivers modular, future-proof solutions for **Resource Management, Network Assurance and Network Fulfillment & Orchestration**. Its systems align with **TM Forum's ODA and Open APIs**, helping operators boost service reliability, optimize resources, and accelerate digital transformation.

Result:

The operator moved from reacting to subscriber complaints to managing network health.

- **Faults identified and dispatched** before subscribers experienced disruption, shifting operations from reactive to proactive.
- **Mean time to detect and repair reduced** as automated root cause replaced manual fault tracing.
- **Coordination blind spots eliminated** through centralized management, giving field and NOC teams a shared baseline.
- **Alert noise reduced** through correlation and filtering
- **A scalable operational platform** established to grow alongside the network without proportional increases in effort.