

Use Case:



Optimization of Network Continuity and Performance

Problem Statement:

Modern networks produce a huge amount of data due to growing traffic and complex setups.

Managing and analyzing this data quickly is difficult for operators, which can delay finding and fixing issues. Without the right tools to handle this data, ensuring network continuity and proactively addressing problems before they disrupt service becomes a significant challenge.

Solution Overview:

TechNarts' performance management solution offers a robust way to monitor network performance in real time and enable predictive maintenance.

- **Real-Time Data Processing:** Collects and processes millions of performance metrics every 15 minutes, offering an up-to-date, holistic view of network health.
- **Threshold Violation Detection:** Monitors conditions that exceed acceptable limits and issues warnings with varying severity levels, allowing operators to act before minor issues escalate into major disruptions.
- **Customizable KPI Extraction:** Tracks existing KPIs while enabling operators to define and extract their own performance indicators, aligning monitoring with the network's specific and evolving needs.
- **Advanced Dashboards & Reporting:** Provides purpose-built dashboards and reports that summarize overall network performance and highlight critical areas for improvement, simplifying decision-making for managers and executives.

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:

By offering end-to-end visibility and predictive analytics, the solution empowered operators to maintain superior network performance while improving operational efficiency.

- **At-a-Glance Insights:** Clear, immediate insight into network performance.
- **% 25 Fewer Outages:** Fewer outages due to the detection of underperformed fibers.
- **Continuous Monitoring:** Real-time monitoring across the network.
- **Quick Access:** Fast, easy access to dashboards, historical data, and trend analysis.