Network Advisor

Prevent issues from escalating

NETWORK ADVISOR
AI-driven network troubleshooting

Network Advisor is a Predictive AI and Generative AI powered solution designed to help engineering teams to diagnose and resolve complex network issues with greater speed and precision.

By automating the analysis of network data and delivering near real-time insights, intelligent root cause identification, and recommended actions, Network Advisor enables engineers to respond faster, more accurately, and with significantly reduced manual effort.

Built on advanced machine learning and multi-source data integration, it offers a comprehensive view of network health, enabling proactive maintenance, strategic planning, and long-term network resilience.

TUPL

Operations made simple with AI

KEY BENEFITS

Boost Network Performance & Customer Satisfaction

By automating root cause analysis and performing automated resolution actions instantly, Network Advisor helps resolve issues before they escalate—ensuring optimal network performance. This leads to faster resolution times, fewer escalations, and improved customer satisfaction, while reducing churn and enhancing service reliability.

Empower Engineering & Operations Teams

Network Advisor provides a simple, intuitive interface that enables engineers and operations teams to act quickly and confidently—no coding required. It integrates seamlessly with existing workflows such as NOC, field services, or SON, delivering consistent, expert-level support across all operational layers.

Scale Expert Knowledge with AI

Network Advisor captures and digitalizes engineering expertise, making it scalable as operations grow. AI-driven automation ensures consistent, high-quality decision-making, even in complex environments—enhancing accuracy, speed, and consistency across the board.

Streamline Engineering Workloads

By automating repetitive diagnostics and providing clear, actionable insights, Network Advisor reduces the burden on engineering teams. This allows experts to focus on high-impact tasks, while AI handles routine analysis—boosting efficiency and accelerating time-to-resolution.

KEY FEATURES

Comprehensive Network Visibility
Provides a real-time, holistic view of network performance. This "white box" visibility supports proactive operations, long-term optimization, and strategic planning.

Automated actions
Delivers clear, data-driven actions tailored to each situation. By automating execution where possible, it helps engineering teams resolve issues efficiently and accurately, reducing time-to-resolution and minimizing service impact.

Accelerated Triage & Custom KPIs
Speeds up incident investigation by filtering noise, detecting anomalies, and prioritizing issues, especially when automatic resolution isn't possible. It also supports customized or ad-hoc KPIs from multiple data sources including customer-centric metrics that help prioritize actions with high impact on user experience and churn prevention.

Standardized Troubleshooting Process
Guides engineers through a consistent, intelligent workflow ensuring repeatable, high-quality outcomes across teams and incidents.

Advanced Analytics
Combines the expertise of seasoned network engineers with AI to analyze diverse data sources. It identifies patterns and early warning signs of potential issues, enabling proactive intervention.

Root Cause Identification
Goes beyond surface-level symptoms. Using advanced analytics and machine learning, Network Advisor correlates data from multiple sources—KPIs, alarms, logs, and more—to pinpoint the true source of network issues, enabling faster and more effective resolutions.

Boost Engineering Efficiency & Customer Experience
By automating complex diagnostics and standardizing resolution processes, Network Advisor empowers engineering teams to respond faster and more effectively—ultimately enhancing network reliability and customer satisfaction.

TUPL | Operations made simple with AI

BUSINESS IMPACT

90% classification accuracy:
combines supervised and unsupervised learning to deliver highly reliable diagnostics, enabling confident, data-backed decisions across the network.

Up to 90%-time savings:
drastically reduces the time from investigation to action—accelerating root cause identification and resolution from hours to minutes.

100% consistency:
eliminates variability caused by differences in engineer experience or interpretation, ensuring uniform, repeatable outcomes across teams.

Discover unseen issues:
unsupervised learning uncovers hidden patterns and anomalies that traditional methods often miss—enabling proactive detection and resolution of emerging problems.

USE CASE EXAMPLES

Congestion

Advanced root cause analysis of network overload conditions, helping identify and resolve capacity-related issues that degrade user experience and service performance.

4G RTWP Imbalance

Detection of external interference and faulty equipment through intelligent analysis, ensuring a cleaner signal environment and enhanced service quality.

4G/5G Sleeping Cell Detection

Identification of hidden faults and misconfigurations in active cells that silently impact service availability, enabling proactive recovery and improved network reliability.

4G/5G Traffic and Throughput

In-depth analysis of traffic volume drops and user throughput degradation, helping restore optimal performance and maintain service quality.

4G/5G Access Failures and Drop Call Rates

Pinpoints the root causes of failed access attempts and dropped calls, supporting faster resolution and improved call continuity for users.

Mobility

Troubleshoots handover-related issues such as ping-pong handovers and failed transitions, ensuring seamless service continuity across cells and improved user experience.

Transport Network Issues

Diagnoses backhaul-related problems that disrupt RAN traffic flow, enabling targeted fixes and improved end-to-end network performance.

5G SIP Drops Increase

Identifies and analyzes issues affecting SIP-initiated communication sessions, helping reduce session drops and enhance 5G service stability.