

TUPL NETWORK ADVISOR

Trustworthy and actionable AI for Telecom Networks



Automated Network Issues Root Cause Analysis

Decades of technology investments by Telecom Operators to address ever increasing traffic demand and customer expectations have led to a complex context with multiple technologies, where data needs to be gathered and correlated from multiple sources.

Award-winning Tupl Network Advisor helps network engineers unlock the power of AI to automate processes and digitalize cumulated engineering knowledge for scaling, speed and consistency. A powerful AI system that adapts to your own environment and processes.

Use cases

Customer Experience

Low 4G Throughput

VoLTE Drop Anomaly Detection

Performance

Network Access Failures

Congestion

RF Optimization

UL Interference

Leakage Anomaly

UL SINR

RTWP Anomaly Detection

3G or 4G Imbalance

Equipment Management

Sleeping Cells Anomaly Detection

Power Saving Advisor

Before Tupl



Key benefits

- Digitalizes your expert knowledge.
- Scales and enhances engineering knowledge through AI as operations grow.
- AI automates Root Cause Analysis and action recommendations through simple User Interface (UI) screens.
- Can integrate with other workflows or tools such as NOC, field services or even SON.
- No coding required!
- Maximum accuracy, consistency and speed for optimum level network performance.

With Tupl





TUPL NETWORK ADVISOR

Provides Intelligent Process Automation for Telecom Engineering processes, leveraging TupLOS AI Engine.

Key features

- **AI Engine:** Based on open-source Big Data and machine Learning libraries, Tupl's ML Toolkit is at the core of Network Advisor. It provides the ability to train and run multiple-stage root cause analysis and action recommendations in a live network.
- **Machine Learning UI:** Simplified Machine Learning model creation, training and evaluation through a simple UI experts can use without prior coding knowledge .
- **Multiple source data integration:** correlate and process multiple data sources for complex problems through TupLOS data and cloud architecture.
- **Feature Engineering Editor:** Create the most suitable features as inputs for maximum ML model performance.
- **Multi-model, multi-user management:** Easy solution integration across large and heterogeneous organizations with diversity of operational responsibilities.

Business impact

- **90% classification accuracy**, powered by both supervised and unsupervised learning.
- **100% consistency** – Operators can draw network-level conclusions with confidence.
- **Up to 90% time savings**- by dramatically reducing the time span from investigation to action.
- **Discover unseen issues** with unsupervised learning.

