

TUPL NETWORK ADVISOR

Get ready for 5G by automating your engineering & optimization work by AI.

Automated Network Issues Root Cause Analysis

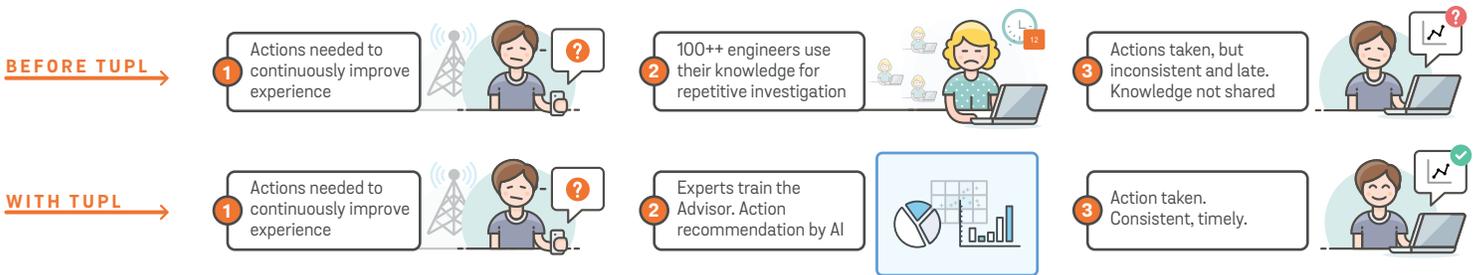
Decades of technology investments by Operators to address the ever increasing traffic demand and customer expectations have led to a complex environment with multiple technologies.

Data gathering and correlation from multiple sources, siloed expert knowledge, and networks in constant change yields partial and delayed

understanding of what should be the right areas to focus on, and what should be done.

Award-winning Tupl Network Advisor helps network engineering teams unlock the power of AI to automate processes and scale up human expertise by helping engineers design and train their own proprietary root cause analysis and

action recommendations. This is the right way to turn cumulated engineering knowledge to digital format, for scaling, speed and consistency purposes. Experience the power of a true AI system that adapts to the Operator's own environment and processes.



Key Benefits

of leveraging Tupl Network Advisor:

- ✓ Turns your expert knowledge into digital knowledge
- ✓ Scales and enhances engineering knowledge by the use of AI as operations grow – think 5G
- ✓ Automates the Root Cause Analysis and action recommendations by AI through simple User Interface (UI) screens
- ✓ Can Integrate with other workflows or tools such as NOC, field services or even SON
- ✓ No coding required!

All the above mean maximum accuracy, consistency and speed for keeping the network running in optimum performance levels for the end customers.

Key Features:

AI Engine: Based on open source Big Data and Machine Learning libraries, Tupl's ML Toolkit is the core of Network Advisor, providing the capability to train and run multiple-stage root cause analysis and action recommendation models in a live network.

Machine Learning UI: Tupl's UI has a unique approach. It simplifies Machine Learning model creation, training and evaluation through a simple UI network that domain experts can use without prior coding knowledge.

Multiple source data integration: Through TuplOS data and cloud architecture, multiple data sources can be easily correlated and processed for complex problems.

Feature Engineering Editor: UI based functionality supports the creation of the most suitable features as inputs for maximum ML model performance.

Multi-model, multi-user management: Facilitates solution integration across large and heterogeneous organizational structures with diversity of operational responsibilities.

Business Impact:

90% classification accuracy, powered by both supervised and unsupervised learning.

100% consistency – operator can draw network-level conclusions with confidence.

Up to 90% time savings seen in the “from the investigation to action” duration.

Discover unseen issues with unsupervised learning.



Tupl Network Advisor provides **Intelligent Process Automation** for Telecom operational processes, leveraging the **TuplOS AI Engine**.