

TUPL NETWORK ADVISOR

Fast, Accurate, Consistent. AI power for Network Operations and Performance

Automated Network Issues Root Cause Analysis

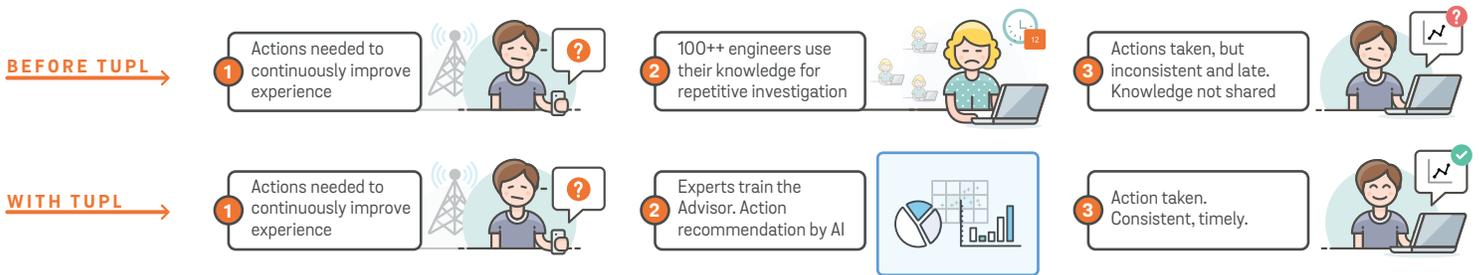
Decades of sustained network investments by Telecommunication Operators to address ever increasing traffic demand and deliver top customer experience have led to a complex environment with multiple technologies.

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 troubleshooting. This is the right way to turn

cumulated engineering knowledge to digital format, for scaling, speed and consistency purposes. Tupl provides Machine Learning models through a powerful AI engine managed by a simple UI frontend without relying on third parties or previous coding knowledge.



Key Benefits

of leveraging Tupl Network Advisor:

- ✓ Turns your expert knowledge into digital knowledge
- ✓ Preserves engineering knowledge base as organizations evolve
- ✓ Unlocks the power of Artificial Intelligence (AI) to automate 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!

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 AI Engine 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:

75% classification accuracy even on limited training data sets for multi root cause analysis models.

100% consistent analysis - reducing the dependence on the different experience and skills of various engineers.

Fast, full scale root cause analysis completion over large geographical areas with short time resolution.



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