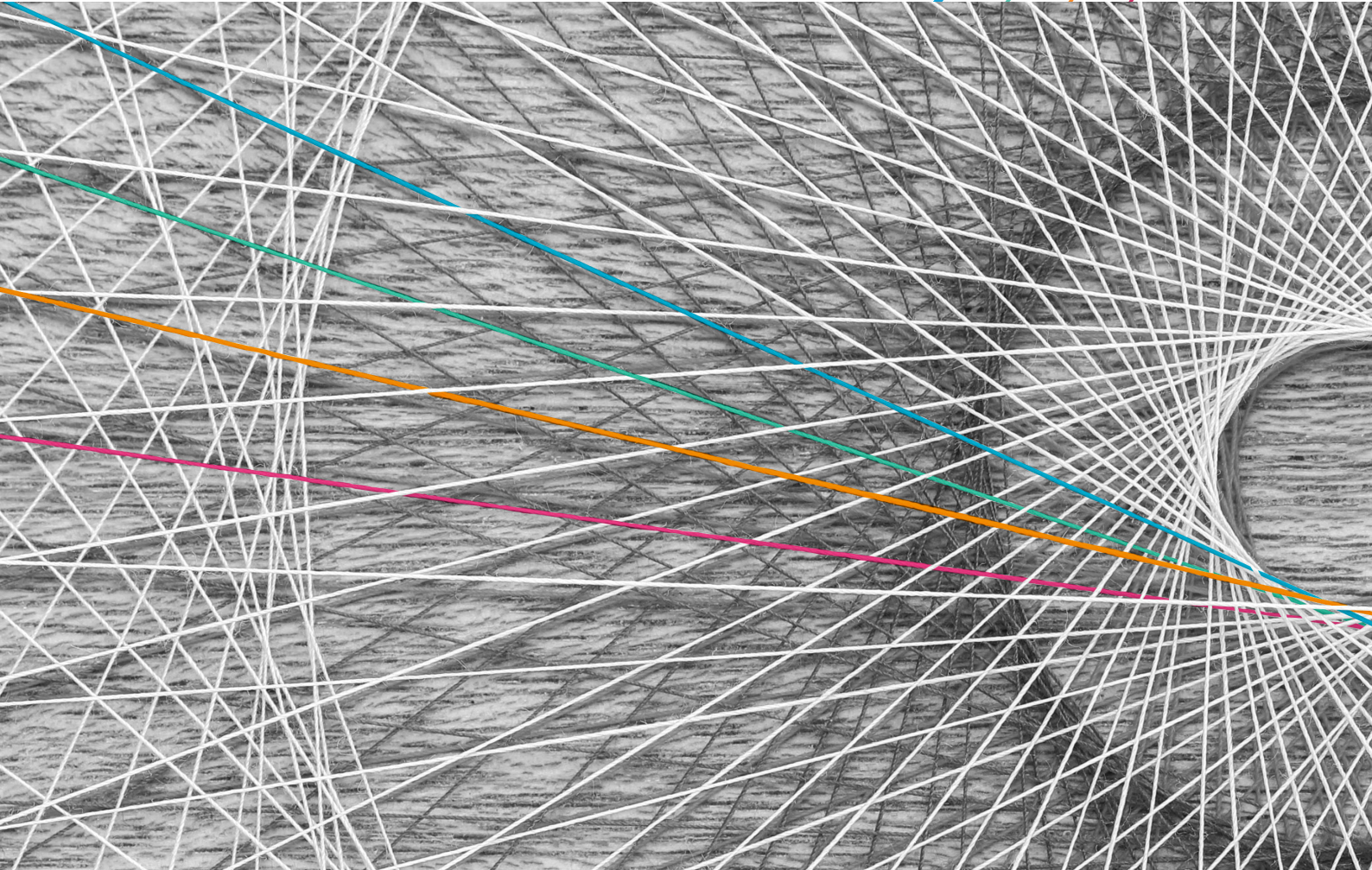


NETWORKS

Planning Technology Rollout

Technical Cost Modeling



DETECON
CONSULTING

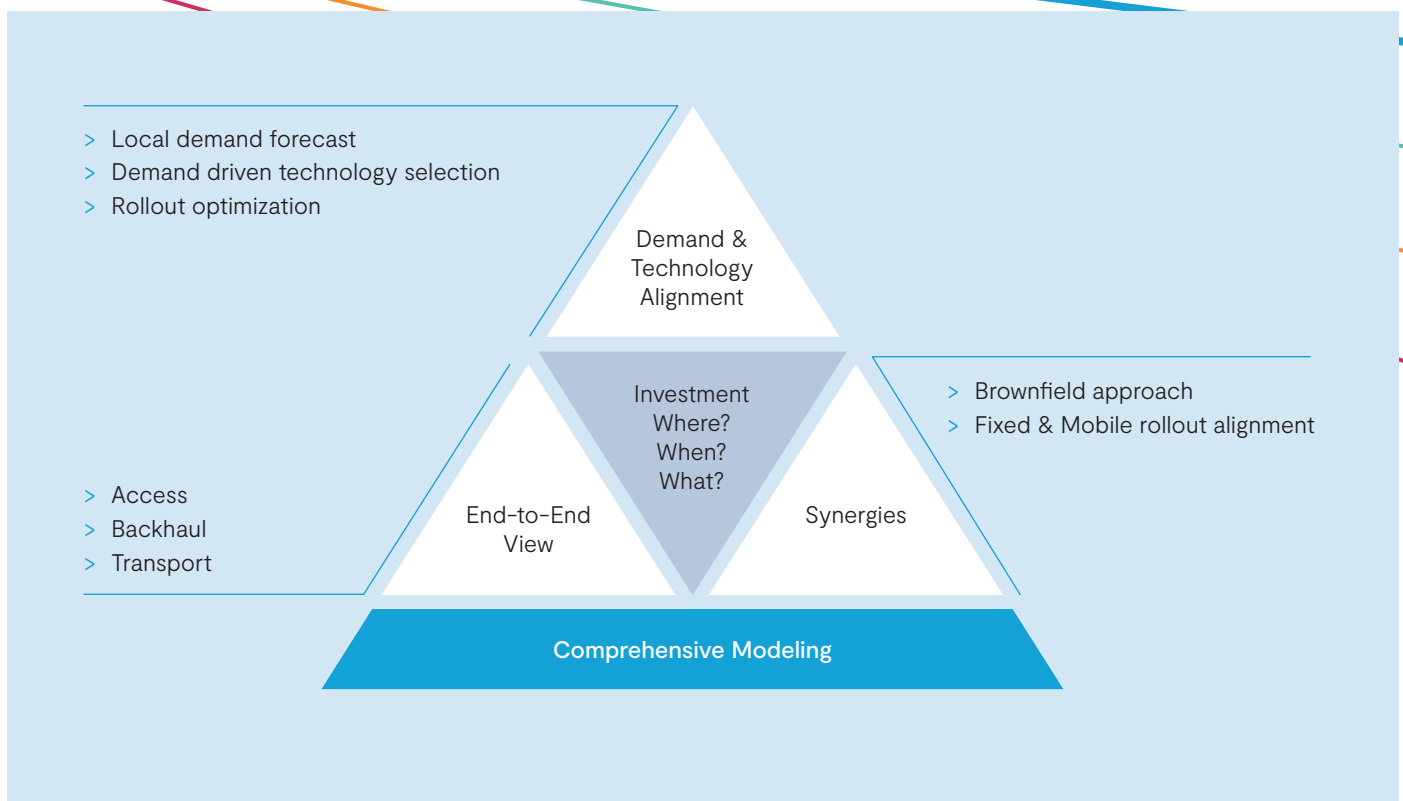
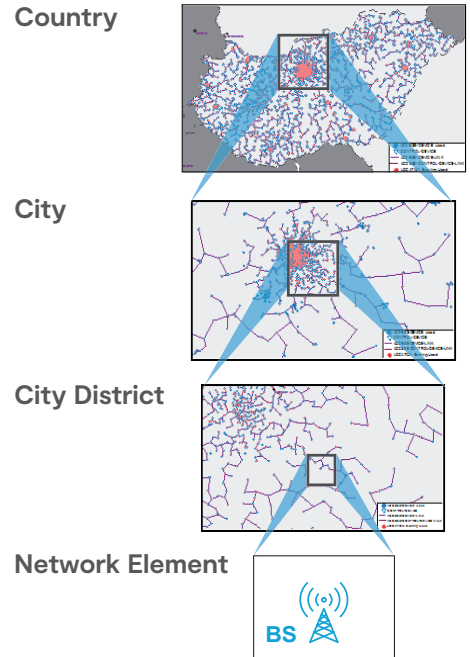
The Features

NETWORKS TCM supports strategic decisions by translating coverage and capacity targets from marketing into technical network topologies. The generated results support reducing investment risk by providing detailed information about spatial and temporal distribution of required capacities.

The translation of strategic business targets into CAPEX and OPEX plans broken down to individual network elements allows to elaborate complex dependencies between marketing assumptions and required network capacities. The consideration of existing infrastructure in its geographical context is a key feature of this solution.

Automated network calculation assures fast and reliable planning results, especially for investigation of what-if scenarios. Usage of GIS data enables consideration of inhomogeneous distribution of network elements and market demand. Planning results are reported as tables and geospatial graphs.

For general features please refer to our flyer **NETWORKS** Product Portfolio.



Long-term Strategic Network Planning

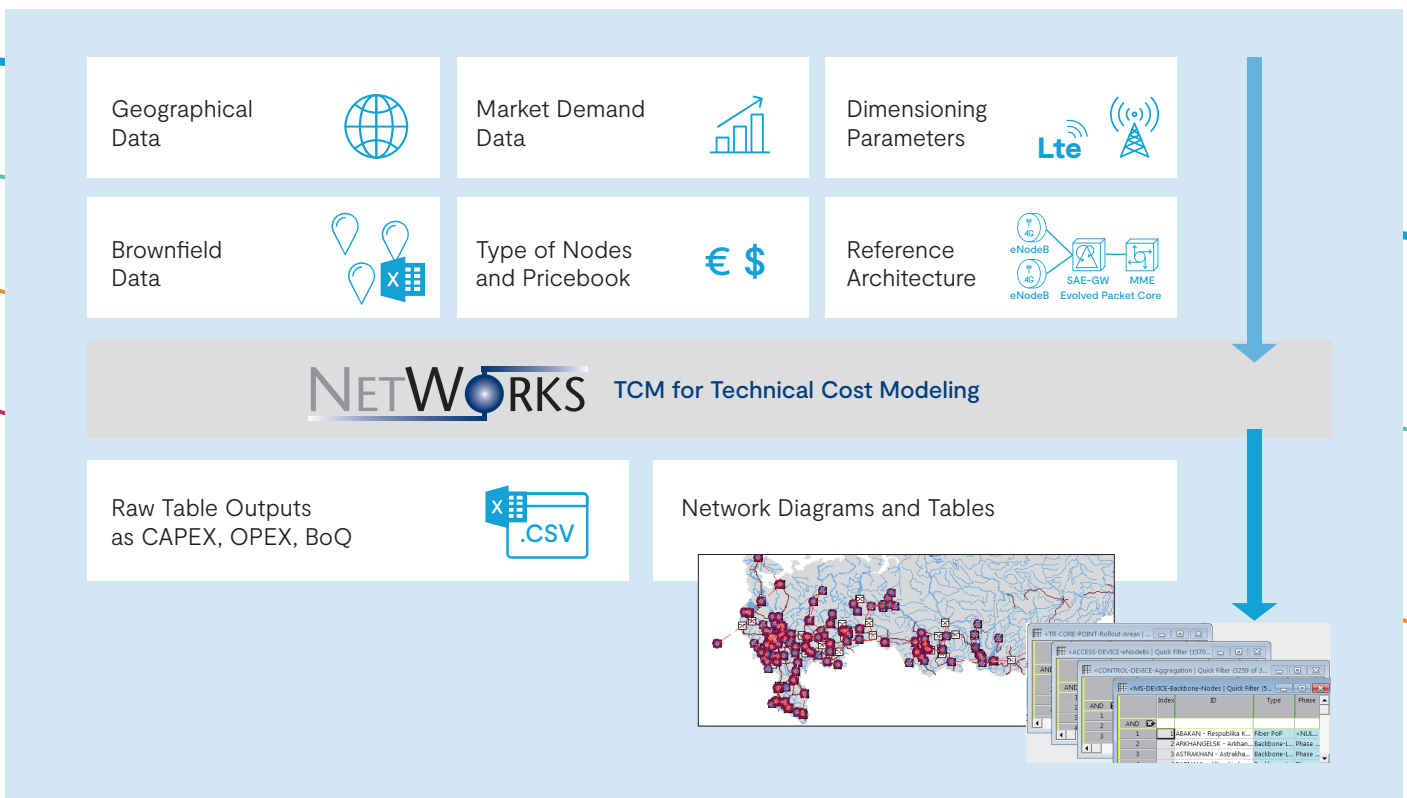
Technical Cost Modeling (TCM) translates coverage and capacity requirements into network capacities considering existing infrastructure.

Key Features

- > Granularity – geographical units may correspond to complete cities or just an urban district
- > Scalability – planning parameters are defined per geographical unit and point in time
- > Transparency – extensive graphical and tabular functions
- > Fast and easy setup by using Excel workbooks as input
- > Reliability – automated network calculation for scenario analysis
- > Graphical and tabular reports illustrating the planning results for immediate use

Impacts (Examples)

- >> Network elements are always individually modeled and grouped to match the provided marketing figures
- >> Site capacity varies between dense urban and rural areas and increases over time
- >> Deep dive analysis of results to identify cost drivers and dependencies
- >> Preparation of input data possible by standard tools accelerating this process
- >> Evaluating what-if scenarios for understanding the planning result
- >> Network graphs for illustrating dependencies and technological impact



Your Benefits

Technical Cost Modeling 5.0

NETWORKS Technical Cost Modeling supports in elaborating long term strategies considering local constraints defined by marketing, competition and available technologies.

Automated Processing of Planning Data

- > By fully automated network calculation
- > Excel interface for customizing planning processes

Consistent End-to-End Network Analysis and Planning

- > From access over aggregation to core level
- > For nodes and links, physical devices and pools

Algorithmic Approach for Calculation/Optimization

- > Reduced runtime of network analyses
- > Analytical and heuristic methods for capacity planning

Synchronized Tables and Views

- > For efficient evaluation of planning results
- > Consistent network documentation as graphs & lists

Future Proof Software System

- > Multi-layer approach to combine different technologies
- > Flexible algorithms to extend calculation functions

We invite you to benefit from the advantages of analysis, planning and optimization with NETWORKS.

We look forward to your inquiry.

NETWORKS
a product of **DETECON**

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