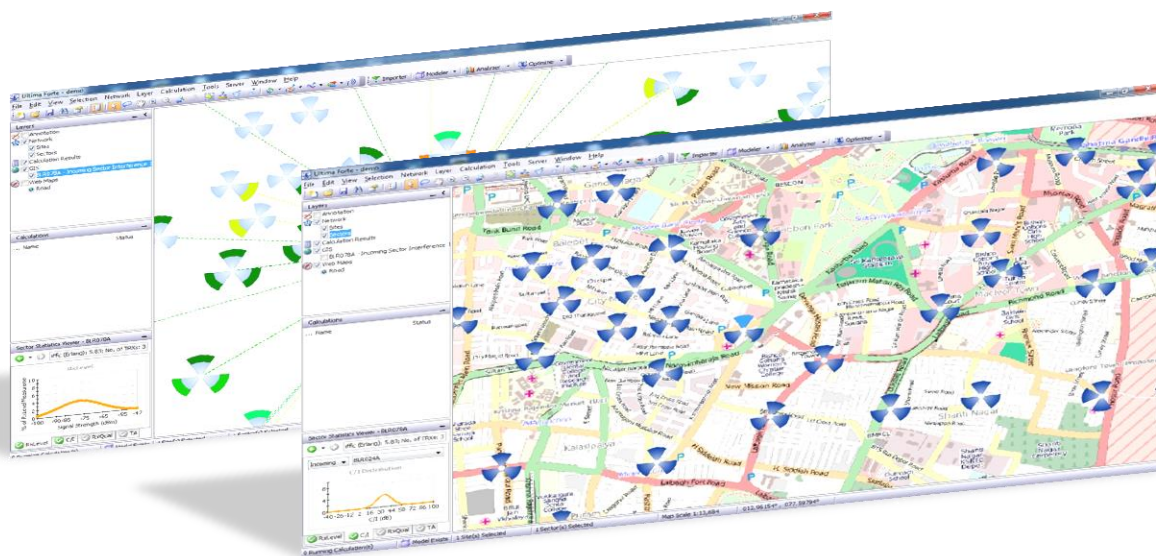


FORTE



THE SOLUTION THAT MAKES SURE YOUR NETWORK IS ON ITS BEST BEHAVIOUR

Forte enables operators and infrastructure vendors to maximize networks quality, capacity, and coverage automatically.

Designed to assist RF engineers with their daily tasks, it is compatible with all major vendors (Ericsson, Nokia, Nortel, Alcatel, Siemens, Motorola, ZTE and Huawei). As such, the tool is easy to implement and use, while providing accurate and thorough results.

The accuracy of the Forte's network representation stems from its use of mobile measurements solely. Indeed, mobile handsets used by subscribers around the network yield measurement reports that best reflect the user's network experience. **Forte leverages this information to deliver an accurate view of the network's performance, while providing the tools to optimize it.**

The robustness of the solution is partly due to its use of TEOCO's semi-dynamic GSM Network Simulator and state of the art genetic-algorithm engine. These capabilities are used primarily to evaluate network quality, generate optimal frequency and neighbor-list plans, and produce network quality evaluation reports for existing and suggested frequency plans. In other words, they are geared to improve the network's performance. **Ultimately, the features offered by Forte, assist operators and infrastructure vendors in their efforts to continuously and automatically sustain peak performances.**

Delivering multi-vendor support for a smooth integration into operator-specific environments, Forte can seamlessly help achieving GSM/GPRS/EDGE network quality and revenue targets, with its features addressing the needs of engineers, and its capabilities taking into account the business priorities of the operators.

Thorough Multi-Vendor Solution for Network Optimization

Powerful Quality Evaluator

Accurate Network Modeling & Advanced Simulation

Automated Solution for Data Collection, Parsing, Analysis, and Implementation Scripts

User Friendly GIS-Rich GUI



Business Advantages

BRING COST EFFECTIVENESS TO YOUR ACTIVITIES

- **Get more with existing resources**

The use of mobile measurements drastically reduces the cost and turnaround times for network optimization, in some cases with a total time of one week

- **Spend less time managing resources**

Engineering efforts can focus on core activities, such as 3G & 4G network troubleshooting or deployment, and spend less time on calculations as the data collection and processing is automated, the network accurately modeled, and the KPI performance evaluation pinpoints problematic areas

- **Less time to implement optimization plans**

- **Focus on core activities**

MAKE FLEXIBILITY ONE OF YOUR NETWORK'S CHARACTERISTICS

- **Smoothly introduce new sites**

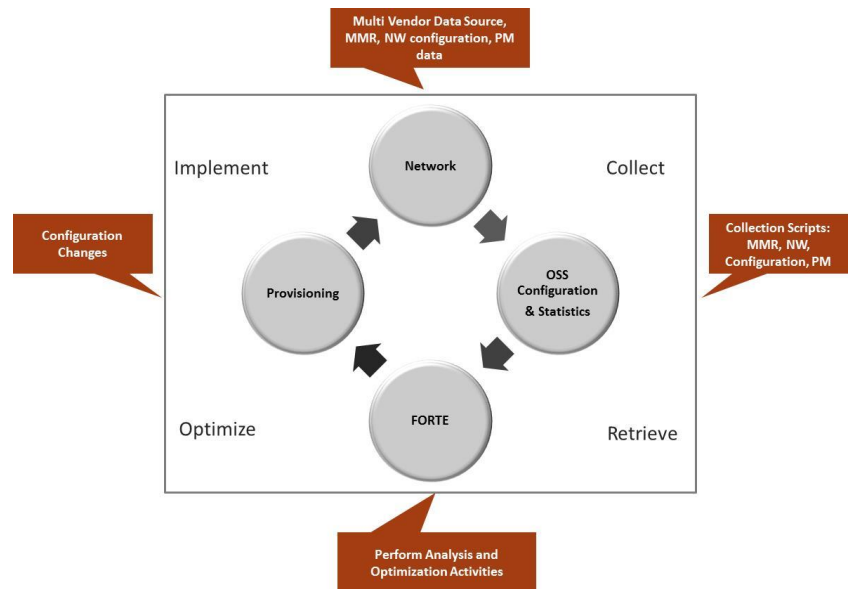
The introduction of new sites is achieved at reduced planning overheads

IMPROVE YOUR MANAGEMENT

- **Enforce common processes over the network**

With its unified network optimization methodology and multi-vendor character, Forte enables the smooth enforcement of common and simplified processes across your organization

DEVELOP STRONGER RELATIONS WITH YOUR NETWORK SUBSCRIBERS BY PROVIDING ANYTIME ANYWHERE TOP QUALITY OF SERVICE



FORTE Workflow

Key Features & Benefits

DELIVERING A THOROUGH MULTI-VENDOR SOLUTION FOR THE OPTIMIZATION OF COMPLEX NETWORKS

- **An Optimal Frequency Optimizer:** for daily optimization activities, including instant allocation of low interference frequencies for new sites and automatic frequency planning for complex network architectures - such as OL/UL, dual band, spectrum re-farming, mixed frequency allocation schemes, and high GPRS/EDGE traffic cells prioritizing .
- **A Neighbor-List Optimizer:** to identify missing neighbor relations and removing redundant relations, which reduce the number of dropped calls and the handover failure rate for GSM networks.
- **A RAN Feature Optimizer:** to perform local optimization of parameters related to handover, traffic load balancing, troubleshooting and maximizing the overall network performance.

PROVIDING A STATE OF THE ART QUALITY EVALUATOR FOR ACCURATE NETWORK MODELING AND KPI BASED EVALUATION OF OPTIMIZATION PLANS

Forte's powerful state-of-the-art GSM network RAN simulation can be used for quality KPI-based evaluation, to benchmark current network configuration and the performance of proposed frequency plans. It also looks at parameter changes, and can compare simulated network performances with actual network's statistics to validate the accuracy of the network model.

BRINGING AN AUTOMATED SOLUTION FOR DATA COLLECTION, PARSING, ANALYSIS, AND PROVISIONING SCRIPTS WITH VENDOR SPECIFIC FORMATS

Forte automatically transforms optimization run results into ready-to-use, vendor-specific implementation scripts that eliminate data-entry errors and ensure fast, efficient optimization implementation.

OFFERING A USER FRIENDLY GIS-RICH GUI TO SUPPORT DAILY ENGINEERING.