# Telecommunication Infrastructure Analysis
## (for service providers)

## Our telecommunications practice

We provide exclusive services, analyzing structurally, telecommunications networks.

By using high capacity servers, processing scientific applications based on mathematical models, statistical techniques, network algorithms and mass data analysis, we are able to identify the optimal correlation between the traffic generators units' geographical dispersion, its traffic (Volume/flow), the interconnection costs and the network infrastructure.

By using our software, we can compare all possible ways to transport the traffic flows between the sources and destinations. Through these analysis, we identify what can be improved in the current structure.

## Applicability

Besides identifying the optimized network structure the analysis process also helps the service provider with several other aspects associated with the management of its business:

Allows to prepare proposals in a fast and efficient way;

Allows to prepare proposals in a optimized way when part of the client's points of presence are located outside the service provider own coverage area;

Allows simulations of pricing strategies and levels of prices establishing a clear correlation between traffic volume, revenue and costs per client;

Allows the easy preparation of outsourcing proposals guarantying competitive prices and profitability;

Evaluate the deployment of technologies such as VSAT, MPLS, Frame-relay and VPN;

Analyze traffic and check if the number of trunks, the bandwidth allocation and CIR definitions are adequate- capacity planning;

Simulate future needs and verify how the network's cost will behave with the increase in the traffic (assisting in strategic planning, anticipating needs and problems);

Negotiate telecommunications budgets, establishing a clear correlation between traffic, services provided and the costs incurred with a high level of accuracy;

Evaluate voice and data integration using different strategies and technologies (Integration total or partial using VoIP, Voframe, VoATM).

## Our methodology

Our operational methodology (Wide Area network analysis methodology®) allows us to simplify the data gathering necessary to perform the analysis/simulations.

## Our tools

Our analytical software (Ariete®) allows us to execute millions of comparisons, verifying all possible combinations of topologies, routes, interconnections providers, technologies, pricing strategies and traffic volumes.

**WANOPT**
The Wide Area Network Optimizers

## The possibilities

Preparation of complex proposals quickly, guarantying the best possible use of the already existent infrastructure;

Preparation of complex proposals where part of the client's points of presence are located outside the current infrastructure coverage area in a fast and optimized way;

Simulation of several pricing strategies, price levels and volume levels per client;

Our analysis help our clients to have a complete view of the trade offs between volumes, costs, performance and reliability.

## Who can take advantage of our services

CLECs (Competitive local carriers);

Interconnection service providers;

Companies specialized in outsourcing telecommunication infrastructures;

Venture capitalists which finance telecommunication companies;

Large ISPs (Internet service providers);

Hardware vendors and integrated solutions providers.

## Situations where our services become particularly useful

When preparing complex proposals to special clients;

When preparing proposals to outsource a telecommunication infrastructure (We model de economical rational of the process);

When analyzing the implementation of new services, simulating pricing strategies, price levels and volumes;

When an organization is re-evaluating its infrastructure and trying to minimize its costs ,establishing a clear correlation between services/volume/cost and revenue;

When two service providers are merging.

## Additional information

For further information, please do not hesitate to contact us. Our team welcomes new challenges and the opportunity to help you.

Mailing address: Raja Gabaglia Avenue, 1011 - Suite 504B

Belo Horizonte - Minas Gerais - Brazil

ZIP Code: 30380-090

Phone/Fax: +55 31 3296 3474

Web: www.wanopt.com

E-mail: wanopt@wanopt.com

Skype: wanopt

WANOPT is a consulting company specialized in transitioning business requirements into strategic and tactical infrastructure solutions.