

# ARIADNE/MtP



...the guiding thread through the labyrinth of telecom

ARIADNE/MtP suite – combined with transmission network management capabilities (IP, Ethernet, WDM, SDH, PDH) – is designed to address operators' needs for Medium-term Network Planning activities, assisted by network analytic functions (QoS, reliability, traffic, cost) and 'What if' scenarios (SPOF analysis, Hot-Spot prediction, NE configuration preview) to ensure valid changes in the network through liable planning.

Implementing the results of the best telecom engineering practices combined with the excellent graphical representation of all network layers an integrated view of the entire network is provided allowing end-to-end outline of services in a multi-vendor and multi-technology network. All of these features empower the CSPs' technical team to record, plan, design, analyse and optimise their network extremely effectively.

The tightly coupled functional modules make and the modular software architecture assures scalability and ensures a reliable and cost-effective solution for mobile operators with different sizes and organisation.

The open architecture provides flexible interfacing capabilities to the legacy components and offers overall scalability for applications in various environments.

FlexiTon provides the turnkey solution to ensure fluent and successful deployment of the system. Professional project planning and management, customisation, data migration, system integration with existing Network Management Systems and other legacy systems, bespoke development and different types of trainings are all included.

Compete with  
Operational Excellence

Increase your  
Efficiency and  
Effectiveness

Shorten your  
Time-to-Market

Increase your AMPU by  
using one of the  
members of ARIADNE  
product family!

„Creating knowledge from data”

Network Analysis,  
Optimisation and Planning

with

excellent functionality,  
modularity and  
unique user interface

designed for

Telecommunication &  
Business Network Operators.



National Development Agency  
www.ujszechenyiterv.gov.hu  
06 40 638 638



The project is supported by the Hungarian Government,  
managed by the National Development Agency, and financed  
by the Research and Technology Innovation Fund.



H-1115 Budapest, Bátfai u. 54., Hungary • Tel.: (+36-1) 464 7700 • Fax: (+36-1) 206 5142  
E-mail: info@flexiton.hu • Web: www.flexiton.com

## ARIADNE/MtP at a glance

**ARIADNE/MtP**, a member of the ARIADNE product family, being based on a comprehensive data model provides

- aggregate- and backbone network planning assistance (scale, expand, reorganise),
- modelling capabilities,
- analysis and optimisation of the planned transmission network from different aspects (capacity, reliability, cost), and
- support for defining the sequence of implementation, accomplishing the changes in the network, and updating the inventory.

The system is capable of

- handling recurrent medium term planning activities, or
- performing occasional complete network evaluation tasks, or
- assisting independent expert surveys to justify complex network optimisation projects.

## Key features of ARIADNE/MtP

- Independent workplaces in one system
- Variations for planned network changes
- Transmission Network Analysis, Optimisation and Planning functionality
- Performing “What if” scenarios, Hot-Spot prediction
- OSS/BSS integration

## General features of ARIADNE/MtP

- **Up-to-date records of the network elements**
  - data visualisation
  - data modification
  - multi-key data query
  - data export capability
  - data import capability
- **Analysis and Scenarios**
  - Comprehensive network evaluation
  - Network scalability evaluation
  - Fault effect evaluation
  - Performance evaluation: Degradations
  - Performance evaluation: Availability (Down Time Ratio)
  - Performance evaluation: Service quality
  - Partial network reorganization
  - Service expansion without network expansion
  - Service expansion with network expansion
  - Service expansion with reorganization and network expansion
- **Different aspects in analysis and “What if” scenarios**
  - QoS
  - Reliability
  - Traffic
  - Cost
- **Network layout presentation**
  - Network elements on the map visualisation
  - On-the-fly generated topology diagrams and network schematics
- **Printed reports**
  - Standard predefined and user defined alphanumeric reports directly from database
  - Output to printer or to file (pdf, html, xml, postscript, etc.)
- **Assignment of documents to network elements**
  - Attach or detach files to network objects
  - Open document with default application
- **User access control**
  - Manage right of user groups for data and functions
  - Record user activities in system log files
- **Supported transmission technologies**
  - SDH, NG SDH
  - PDH
  - IP
    - o IP (explicit routed)
    - o IGP – OSPF, IS-IS, RIP, EIGRP
    - o EGP – BGP
    - o IP/MPLS
    - o IP/MPLS TE
    - o MPLS TP
  - Ethernet
  - Carrier Class Ethernet
  - Carrier Ethernet Transport (PBT, PBB)
  - OTN
  - WDM, NG WDM

