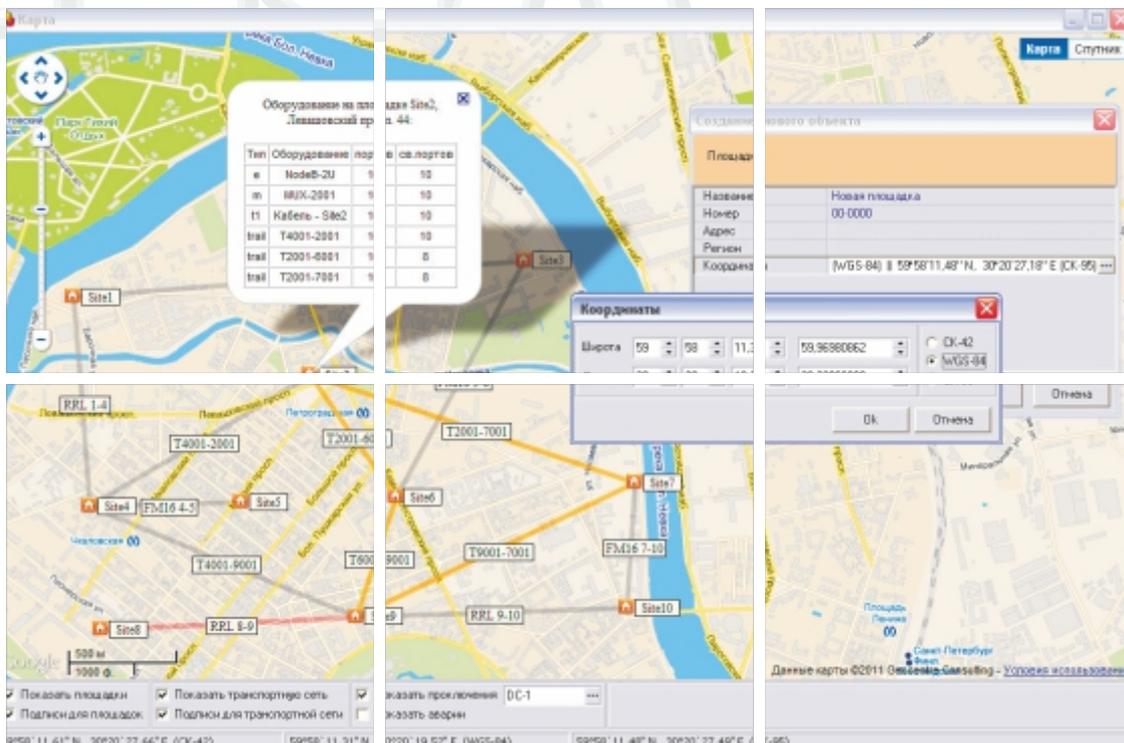


ONEPLAN

RPLS-DB TE

TRANSPORT NETWORK PLANNING & OPTIMIZATION



ONEPLAN RPLS-DB TE is multiuser

TDM-IP-Ethernet-MPLS backhaul and backbone planning and optimization software that can be used as part of the full-featured software suite ONEPLAN RPLS-DB for radio and transport interfaces planning, creation of technically and economically reasonable plans for wireless access network deployment and development.

Basic tasks:

- Transport network structure, routes and associated documents storage in integrated database
- Automatic routing in accordance with the defined criteria
- Transport network visualization for better understanding branched network architecture, traffic and routing
- Capacity planning via analysis of traffic increasing scenarios
- Identification of bottlenecks and optimization the cost of upgrading
- Survivability analysis via investigation of failure consequences
- Reports generation

InfoTel Company

Russia's leading developer of wireless network planning software and complete solutions provider

Main customers



ECONOMICAL SOLUTION
FOR
WIRELESS OPERATORS,
DESIGN ORGANIZATIONS,
BACKBONES OWNER
AND LEASER

Since 2001 InfoTel's software allows customers to decrease technical and financial risks during mobile and fixed radio communication networks construction, operation and development.

InfoTel offers the optimal solution by effectiveness/cost criterion due to ONEPLAN RPLS functionality, usability and reliability.



MAIN FEATURES

- Network elements and circuit types built-in libraries
- Multi-vendor, multi-technology, multi-layer support
- Support for VLAN, VPN, PW
- IP-addresses accounting, VLAN collision monitoring
- Manual and automatic creation of circuit/tunnel, control and protection routes
- Delay estimation (QoS) per class of service (CoS)
- Network simulation under increasing load
- Failure element localization
- Transport network mapping (online, vector and raster maps) with user settings and filtration



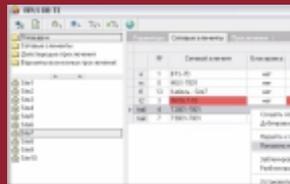
Backhaul mapping



Circuits viewing



Capacity analysis



Sites with network elements



Network elements



Failure aftermath mapping

DB FEATURES

- User administration tool for restricting access to data using typical roles such as administrator, redactor, reader and regions
- Data management (search and selection by various parameters)
- Possibility of interaction with other planning or control system via import/export

ROUTES SEARCH

Many algorithms and number of auxiliary procedures, that allow to account various types of network elements peculiarities and given criteria, are used for automatic routing in ONEPLAN RPLS-DB TE software .

Routing base algorithms:

- allowed routes between two network elements search based on branch-bound algorithm;
- the best allowed route between two network elements search based on Dijkstra's algorithm (OSPF);
- available routes search based on Yen algorithm.

Optimality criteria:

- maximum free resources of idle activation points along the route;
- minimum quantity of route intermediate network elements;
- maximum sum of route network elements weight ratio.

The software provides capability to generate a forking route in case of failing