

How TTSL Optimized its 125,000 KM Fiber Network with **Infraon OSS**



Company

TTSL

Industry

Telecommunications

Solution

Infraon OSS

Vertical

PSU

About the Client

TTSL (Tata Teleservices Limited) is a leading player in the connectivity and communication solutions market in India, managing a vast 125,000 KM fiber optic network across 22 telecom circles. Serving PAN-India customers, TTSL supports telecom operators, ISPs, and enterprises with high-capacity bandwidth and multi-technology services such as SDH, DWDM, and IP/MPLS. Known for reliable, scalable connectivity, TTSL plays a vital role in advancing digital infrastructure across urban and rural regions.



The Need

With over 40,000 network elements and more than a million circuits, TTSL needed a powerful and unified network management solution to manage its multi-vendor, multi-technology environment. The solution had to integrate over 100 EMS systems across SDH, DWDM, ASON, OTN, PTN, and IP/MPLS core networks. Essential requirements included comprehensive inventory tracking and reconciliation, efficient circuit discovery and stitching across diverse technologies, transmission auditing, and advanced planning capabilities to optimize resource utilization.

About EverestIMS

EverestIMS Technologies Ltd. (Everest) is a leading software company – offering IOTM, AIOps and Telecom OSS solutions. Backed with rich market experience in the I&O, AI, IoT, and digital transformation space, Everest has widespread global footprints through its focused product portfolio. We specialize in providing integrated IT solutions, IT operations, and IT infrastructure to empower corporations, enterprises, and telecoms to deliver future-ready services to end-users.



What Infraon OSS Offered

Based on TTSL's requirement, Infraon deployed an integrated OSS platform to streamline management of their extensive and complex network.

Here's what Infraon OSS offered:

- ✔ Enabled centralized tracking and monitoring across diverse network technologies
- ✔ Seamlessly integrated with over 100 EMS systems covering SDH, DWDM, ASON, OTN, PTN, and IP/MPLS
- ✔ Enhanced inventory tracking with real-time reconciliation to maintain accurate records across the network
- ✔ Supported circuit discovery and stitching across vendors and technologies, with full circuit topology mapping
- ✔ Enabled auditing and planning for improved transmission accuracy and network optimization

Business Benefits

1

Unified single-pane dashboards for centralized network visualization

2

Path computation algorithms for efficient end-to-end network planning and topology optimization

3

Comprehensive service monitoring across E1, SDH, EoSDH, MoT, MoE, Och/OMS/OTS, and HO services

4

Capacity vs. traffic usage reports to aid in strategic capacity planning

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