

# Optimizing TANFINET's Fiber Network: Faster Rollouts and Centralized Control with **Infraon OSS**



தமிழ்நாடு கண்ணாடி இழை வலையமைப்பு நிறுவனம்  
**TAMIL NADU FIBRENET CORPORATION LIMITED**  
A Government of Tamil Nadu Undertaking

## Company

TANFINET

## Industry

ISP

## Solution

Infraon OSS

## Vertical

Government



## About the Client

Tamil Nadu Fiber Network (TANFINET) is a state-led initiative connecting over 12,500 gram panchayats through a vast fiber network extending 55,000 kilometers. TANFINET's infrastructure includes a state ring of 3,000 km, a district ring of 5,000 km, and a block-to-GP ring of 47,000 km, connecting critical points across Tamil Nadu. With a focus on bridging the digital divide, TANFINET provides high-speed connectivity to rural areas, supporting educational, healthcare, and administrative initiatives across the state.



## The Need

Tamil Nadu Fiber Network (TANFINET) needed a streamlined solution to manage its extensive multi-vendor network across 55,000 kilometers and over 12,500 gram panchayats. With multiple vendors and technology platforms in place, TANFINET faced high resource demands for operations and struggled with delayed issue resolution due to separate vendor-specific management systems. To support rapid service rollout, TANFINET required centralized management and automated provisioning to efficiently deliver high-speed internet and multicast services statewide.

## 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

To support TANFINET's expansive network infrastructure, Infraon delivered an integrated solution that addresses the unique demands of a multi-vendor, multi-technology environment. The solution provides centralized management and end-to-end visibility of DWDM and IP MPLS cores, connecting State DC, districts, blocks, and gram panchayats.

Here's what Infraon OSS offered:

- ✔ Inventory tracking and reconciliation using an integrated GIS system
- ✔ Automated fault and performance monitoring with ticketing to the relevant vendor and field engineers
- ✔ BSS integrations and service order fulfillment for efficient service management
- ✔ End-to-end service provisioning, including L2 & L3 P2P, P2MP, MP2MP, hub-and-spoke configurations, high-speed internet, and multicast services
- ✔ Capacity versus traffic usage reports to aid in strategic planning
- ✔ Cross-domain correlation and service impact analysis to monitor and ensure service availability

## Business Benefits

1

Achieved centralized management and end-to-end network visibility

4

Accelerated service provisioning from days to minutes, enhancing customer satisfaction

2

Automated ticketing improved incident response times and resource allocation

5

Streamlined processes increased operational efficiency and visibility across the network

3

Reduced MTTR and maintained SLAs with a knowledge base for quick issue resolution

### Phone

IND : +91 80 4656 7100  
sales@everestims.com

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