

Power Utilities Revolutionizing Telecom Connectivity

LOCATION
Maharashtra, India



ENABLING BEST-IN-CLASS DATA CONNECTIVITY IN MAHARASHTRA LEADING TO ECONOMIC GROWTH

Given the broadband boom in India, the telecom sector has a constant need for reliable world-class communication infrastructure. The Convergence business unit leverages its OPGW fiber-based utility network to meet this growing demand.

THE CHALLENGES

The existing inter-city underground fiber infrastructure in Maharashtra is along the national & state highways and are always prone to frequent cuts due to constant road expansion & maintenance activities.

ACHIEVEMENTS

MSETCL is utilizing the MTCIL OPGW network for seamless voice, data, remote monitoring, tele protection, asset management and SCADA connectivity between substations, thereby providing higher value to its end customers, i.e., Distribution Utilities. MTCIL network which rides on existing transmission corridors is highly secured, has minimum on ground RoW challenges, provides a superior alternative with unmatched uptime & service assurance.

Due to the network's inter-operability, OPGW network can be connected to other networks within and outside the state. The network has connected nine major cities in Maharashtra with 25 districts, 208 towns, and 994 gram panchayats. It has enabled service providers in the region to provide superior end customer experience by promising uninterrupted data flow.

WHAT WE DID

A joint venture between Sterlite and Maharashtra State Transco, MTCIL* was formed to address the communication needs of MSETCL** and established 3,300 route km of reliable Optical Ground Wire (OPGW) fiber network in the state of Maharashtra. This first-of-its-kind state-wide OPGW fiber network in India derives commercial value by leasing spare fiber capacities to communication service providers. The ring architecture of the massive network connects the main hubs: Mumbai-Nashik-Dhule-Nagpur-Solapur- Karad-Pune-Mumbai.

*MTCIL – Maharashtra Transmission Communication Infrastructure Ltd.

**MSETCL – Maharashtra State Energy Transmission Company Ltd.