Smart City Fiber Network on PPP Model

LOCATION
Gurugram, India

STERLITE CONVERGENCE FIBER NETWORK ENABLES SMART DEVELOPMENT OF GURUGRAM

Smart cities across India are gearing up for the digital revolution by building the required infrastructure aimed at improving the lives of citizens. The foundation of such a digital infrastructure is the fiber network which serves as the backbone for all applications.

Convergence business fulfills the above need by providing a win-win partnership to design, build, finance, operate and maintain fiber infrastructure on a long-term partnership model. Gurugram is one of the first cities where Convergence business has invested and created a world-class optical fiber infrastructure for supporting current and future applications of the city.

THE CHALLENGES

Smart cities needs to have reliable data connectivity to support their smart infrastructure elements. The key challenge in front of smart city authorities is to create an ecosystem of partners who can design, build, finance, operate & maintain such infrastructure through a long term public private partnership model.

ACHIEVEMENTS

Sterlite Convergence is addressing the smart city needs with its superior fiber network design, build, operations and management skills. The smart city will benefit from the faster development of the telecom grade network, low cost of ownership, and higher uptime with a reliable network. Convergence has also created an open fiber network which can be utilized by telecom service providers, ISPs and MSOs thereby minimizing environment impact as it avoids multiple digging and laying of fibers.

WHAT WE DID

We entered into a public-private partnership with Gurugram Metropolitan Development Authority (GMDA) to develop an optical fiber cable network that will support the city's connectivity and communication needs. We have the right to build a core network of 105 km in Gurugram as part of Phase 1 of this project. Sterlite Power will manage & maintain the network for 21 years.

The optical fiber cable network will power data-centric services across the city and will provide connectivity to government buildings, business clusters and critical applications like security, surveillance and e-governance.