Containerized Data Center for Quicker Turnaround & Superior Customer Experience

CONTAINERISED DATA CENTER – A GAME CHANGING INNOVATION

With the ever-increasing data demand in India, Telcos need to upgrade to a reliable fiber infrastructure backbone which accompanies solid edge data center facilities. In a bid to improve response time and uplift the overall customer experience, Sterlite Power has brought a game-changing innovation in the execution strategy of the project. In one of the top Telco's projects, we were entrusted with the task of building new colocation sites for hosting their telecom equipment in Mumbai-Kolhapur & Nagpur-Solapur belt.

THE CHALLENGES

Typically, colocation building exercise is done by developing the facility from scratch at the location itself. All the requisite materials are brought, the site is constructed, and equipment such as racks, cooling unit, surveillance, and remote monitoring system, etc. are installed. In addition to transportation and location challenges, individual installations employed in this method are time consuming.

WHAT WE DID

The unique solution implemented by Sterlite Power has the potential to standardize the process and ensure quality installation across all sites.

Post the completion of civil work, the containerized Edge Data Centers are shipped to the respective site locations using trailers and are placed at the site. A simple plugging into the power socket, and they are literally ready for the operation.

Such a unique concept of building modular edge data centers with tremendous benefits has set the trend. Going ahead telecom colocation facilities will be made with Containerized Data Center solution.

ACHIEVEMENTS

Implemented for the first time in the telecom industry, this model provides a scalable solution and improves quality standards. The fact, that all the installations and commissioning take place at the factory, addresses the time constraint. The solution also brings down the project cost, as it doesn't have multiple stocking locations, has reduced traveling to sites, and avoids right of way (RoW) due to minimal action on the ground.

Such edge data centers, which are closer to the end consumers, boost network performance. Hence, delivering a better customer experience. Especially in remote tier 2 & 3 towns, where data demand has significantly improved thanks to the rise in OTT platforms and remote working.