

South East Asian Utility Major Selects Tejas solution for Network Infrastructure Modernization and Expansion

The customer is the state-owned power utility in a fast-growing South East Asian country. It is at the forefront of the country's energy transformation and has prioritized technology modernization and efficiency across its network.

The customer has a countrywide optical networking infrastructure which is based on SDH technology. As it was gearing up for technology upgradation, it was looking for a unified solution that can support legacy SDH as well as next-generation packet communication technology. Moreover, it was looking for a long-term technology partner with a strong and comprehensive product roadmap, R&D agility and robust service capability in the region.



Challenges

- Support legacy and packet networking in the same unified platform
- Ensure network modernization with minimal impact on existing services
- Support DWDM/ OTN for its metro and long-haul networks with best-in-class resiliency
- Need an integrated solution provider who can support a wide range of networking technologies with strong regional presence and references



Solutions

- Tejas was selected as the partner of choice based on the strong utility networking experience and comprehensive system capability fitment
- Tejas TJ1400 Ultra Converged Broadband (UCB) platform to provide Circuit Emulation (CE) service and MPLS-TP technology
- Tejas TJ1600 DWDM/OTN platform to provide metro and long-haul connectivity with a versatile mix of services from 1GE, 10GE to OTUn
- Tejas unified NMS for end-to-end manageability of multiple technologies from the single pane of glass



Results

- Tejas technical and support teams worked closely with the customer to ensure seamless upgrade without disruption to existing services
- Circuit Emulation and Packet support were realized in the same system - optimizing operational efficiency and TCO
- TJ1600 platform ensured GMPLS WSON-based protection mechanisms- ideal for mission-critical infrastructure like power utilities



Key Value Propositions

- Tejas has been the preferred technology partner for utility network expansion and modernization serving sectors such as power utility, railways, oil and gas globally
- Tejas UCB supports a diverse range of technologies—including xPON, MPLS-TP, IP/ MPLS, Circuit Emulation — making the network flexible for emerging needs in the future
- TJ1600 is capable of supporting up to 1.2T/ channel for future scalability as well as OTN grooming from the network edge itself to improve spectral efficiency
- Tejas intelligent unified NMS provides multi-technology management from the same suite. Moreover, with integrated AI-ML capability to forecast and remediate network issues, it ensures superior reliability



Tejas Networks

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