

One of the Top Global Telecom Service Provider Uses Tejas OTN Platform for Enterprise Services



One of the top global service providers, having multi-country operations across retail and business segments is seeing rapid growth in enterprise leased line services.

Customers are looking for stringent adherence to Service Level Agreements (SLA) which requires sub-50 ms protection switching, low latency and guaranteed bandwidths.



Challenges

- Cater to expanding demand of enterprise data service in the most cost-effective manner
- Provide ultra reliable connectivity to bank and financial institutions including their Storage Area Network (SAN) requirements
- Provide advanced protection mechanism for SLA adherence



Solutions

- Tejas TJ1600 Compact micro-OTN platform; initially configured as 40G aggregation ring with OTU2, OTU2E interfaces - Support up to 100G with 400G cross-connect capability based on requirement
- Tejas NMS (TJ5500) for remote management of the network



Results

- The TJ1600 platform with integrated OTN cross-connect is a perfect fit for Enterprise segment with support interfaces like Ethernet, OTN, SDH, Fiber Channel, low latency services etc.
- BW-on-demand for customers (i.e., for provisioned BW) using ODUFlex

- Traffic not destined for an IP Router bypassed on the OTN layer - providing significant cost reduction in the IP backbone networks
- Idle frame & Link Integrity support for SAN & Ethernet Interfaces to avoid router switching for fluctuations in the network



Key Value Propositions

- ✓ Programmable Software-defined Hardware to work across legacy, current and upcoming technologies and interfaces
- ✓ ODUk SNC protection mechanism across cards eliminates need for external protection devices
- ✓ Sub Lambda(λ) grooming using OTN
- ✓ Superior OAMP, TCM, FEC
- ✓ Multiple power saving features to lower the carbon footprint - designed using new generation FPGAs for reducing static power, and clock enable/gating logic to reduce dynamic power in FPGAs



Tejas Networks

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