ALIEN LAMBDA

Rental of a high-capacity circuit based on WDM technology

This service is the rental of a high-capacity circuit based on WDM technology, which divides the light spectrum in an optical fiber into multiple wavelengths, significantly increasing the transmission capacity of a single fiber. Each of these wavelengths, referred to as **ALIEN LAMBDA**, can carry a dedicated high-capacity point-to-point service. The service is provided on the extensive DWDM and CWDM network of Quantcom, whose DWDM infrastructure is built on long-proven, high-quality and reliable technologies with a transmission capacity of up to 800 Gb/s.

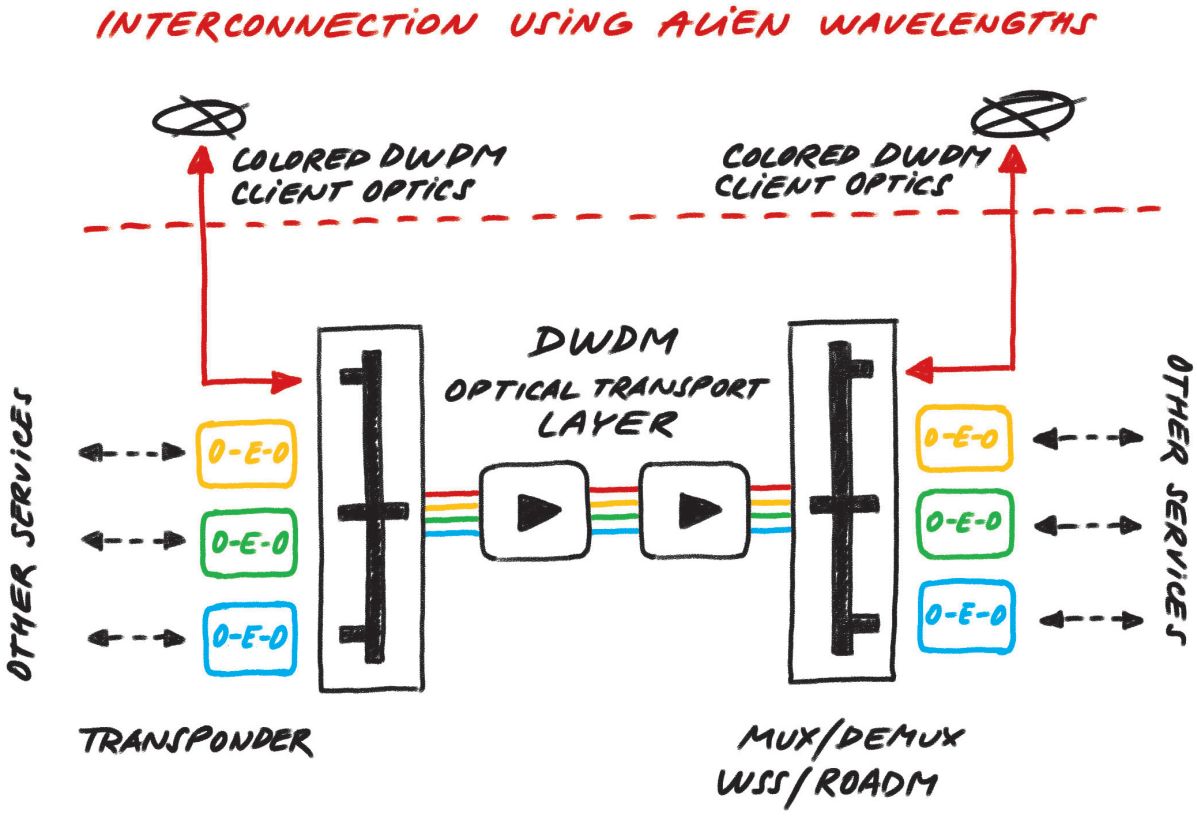
WHO IS THE SERVICE DESIGNED FOR?

The ALIEN LAMBDA service is designed for customers with growing bandwidth requirements who need a cost-efficient and scalable transmission solution.

It is particularly suitable for:

- Telecom carriers
- ISP and DCI interconnection providers

SERVICE LAYOUT



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TECHNICAL DESCRIPTION

- Clearly defined route
- Fully dedicated high-speed point-to-point transmission
- Transmission window: DWDM extended C-band in national and international networks, CWDM in metropolitan networks
- DWDM flex-grid support with 6.25 GHz slots
- Support for coherent transmission, including QPSK and QAM modulation
- 24/7 monitoring and technical support

SERVICE BENEFITS

- Open line system enabling multivendor interoperability
- Integration of customer transponders with Quantcom infrastructure
- Seamless transport of signals from different network elements on a unified platform
- Easy service expansion and capacity upgrades up to 400G and 800G
- Combination of active-solution benefits with the cost-efficiency and operational simplicity of passive systems
- Automated balancing and service provisioning for optimized power levels and efficient service activation
- High transmission capacities
- High reliability, service quality and availability, with low latency, jitter and packet loss
- Cost-efficient solution for high-capacity transport
- Dedicated infrastructure supporting secure data transmission
- Continuous service development and availability across key Quantcom POPs in the Czech Republic, Slovakia, Poland, Austria and Germany