



IXP Self-installs 800G DCI Connectivity PIT Chile Success Story

"I would especially like to thank the team at PacketLight Networks for making this solution even better than we had imagined from both an operations and installation standpoint."

- Ivan Žilić Schmidt, Director of Technology, PIT Chile

AT A GLANCE

Company: PIT Chile

Location: Chile

Industry: IXP

Challenge:

Independently build high capacity 200G DCI link due to COVID-19 and social distancing limitations.

Solution:

PacketLight's 800G 1U transponder with integrated EDFA and optical switch was deployed to build a protected link. PIT Chile's team completed the installation themselves, with remote support from PacketLight's team.

Success:

The link was up in no time, as PIT Chile's team was able to install themselves, and was not reliant on PacketLight team's physical presence.

Background

PIT Chile is a large Internet Exchange Point (IXP), with seven data centers in the northern and central parts of Chile, connecting traffic between internet infrastructure companies. The company provides services to major CDNs including Facebook, Fastly, Google and Microsoft, and local Chilean ISPs businesses.

Challenge

PIT Chile needed to build a 200G high capacity protected DCI link between El Bosque and Santa Marta over three nodes of dark fiber.

However, this was no ordinary installation. COVID-19 and social distancing prevented PacketLight's engineers from travelling on-site, leaving PIT Chile to install their own equipment.

Solution

Packet Light's PL-2000T 800G 1U transponder was deployed to build the high capacity 200G protected point-to-point link, by creating two links - one working and one protecting.

The solution integrates an internal EDFA and optical switch, and supports the transport of up to 8 x 100Gb Ethernet protocol. The PL-2000T supports Layer-1 encryption, if this becomes a requirement for PIT Chile or one of its customers in the future.

PIT Chile technical team installed the equipment on their own and required very little assistance, which PacketLight provided remotely.

The link was up and running within minutes, with remote configuration, management, and monitoring using PacketLight's user-friendly GUI. In addition, PIT Chile's team also integrated the solution into their SNMP management system using PacketLight's management information base (MIBs).

Success

Despite initial concerns, PIT Chile quickly discovered that PacketLight equipment lends itself to simple self-installation and configuration, which was a huge advantage during times when an engineer cannot be on-site.

Ivan Žilić Schmidt, Director of Technology at PIT Chile commented on the successful implementation: “The data center interconnection between El Bosque and Santa Marta sites ensures more capacity, more resilience, and less latency between the data center nodes so we can operate at full capacity without any service degradation to our customers. I would especially like to thank the team at PacketLight Networks for making this solution even better than we had imagined from both an operations and installation standpoint.”



PacketLight PL-2000T 800G Transponder