Case Study: Claro

Small Cell Application

Specifications

Location: Chile	
Product Application: Small cell densification	
Components: AlphaGateway XMP and small cell radios	

The AlphaGateway XMP enables you to access clean, reliable and redundant electrical power to deploy small cell radios at minimal cost and impact to your network.

Overview

With more than 6 million customers, Claro is one of the largest telecommunications companies in Chile.
Their business provides telecommunications, internet, data, digital television and many other services to their diverse customer base. Claro puts an emphasis on continually providing top-notch coverage for their customers through advanced technology, affordable prices and digital inclusion.

As small cell deployments have increased across the globe, Claro determined a need for the expansion of 3G and 4G radios to provide enhanced coverage for their customers. However, powering their small cell radios is complex. Claro needed a solution that could function in an outdoor environment, in addition to providing 120VAC, a step up from the typically available 87VAC.

Objectives

Provide a powering solution that:

- Provides all-in-one power for small cell deployment
- Can easily be installed (no additional permits required)
- Is scalable

Solution

The AlphaGateway XMP proved to be the leading solution to enable these small cell radio deployments. By utilizing the pre-existing power supply enclosures owned by Claro, over 70 XMP units were installed without any permitting required, stepping up the voltage from 87VAC to 120VAC to power the small cell radios. With its unique ability to fit into pre-existing enclosure installations, the XMP was also able to provide backup power on-site via the power supply's battery backup system.

Benefits

- **Adaptability:** The AlphaGateway XMP provided the perfect solution to mount into any pre-existing enclosure installation at minimal cost and impact.
- **Power and data backhaul:** The existing utility connection and DM3 transponder ensures back up power and data backhaul for the small cell deployments.
- **Easy and low-cost installation:** The AlphaGateway XMP is perfectly scalable, with another 300 units on the way for Claro.