Pacific Rubiales is engaged in the exploration, development and production of heavy crude oil and natural gas in Colombia and Peru. Its experience in this sector has become the company as the largest independent oil and gas exploration and production in Colombia. The design of the new private network of electricity distribution in the region of Llanos Basin, will provide to the facility a high level of protection and automation, that allows a 24 hours/day monitoring and maneuverability in case of necessity.

**THE CHALLENGE AND THE SOLUTION**

With a total of 68 MV functional units with identical configurations divided in 4 mobile containers, Pacific Rubiales transmitted to Ormazabal the need of a system with the highest level of monitoring and control.

The configuration chosen consists of an incoming and outgoing through two feeders units (L) with load break switch, one busbar switch unit (S) and 14 circuit breaker outgoings with the latest breaking and making vacuum technology.

A complex system of protection, control and automation allows the remote control operation, as well as a monitoring of all measurement data and switchgear status of each of the functions that consists the new design of the private distribution network.

**ORMAZABAL KEY BENEFITS**

- Tailor Made Solution: Contracting a Unique Project Manager
- Easy wiring of Remote Control Units thanks to easy interconnection system
- Protection, Control, Automation & Telemangement of the Private Distribution Network without limitation on the number of functional units automated on the installation