



## POWER LINES AND SUB-STATIONS

### Consulting Service for Power lines and electrical Sub-stations at El Vigia

**Scope:** BI, DI

**MH:**19.840

**Client:** ECEPDI East China Electric Power Design Institute

**Location:** Merida – Venezuela

**Disciplines involved:** Electrical, Civil, Mechanical Engineering, Control and Communication.

**Description:** Strengthen the National Electrical System including the Thermoelectric Plant El Vigia.

Review, consulting and support for the development of the basic and detailed engineering prepared by ECEPDI/CAMCE (Chinese companies) and approved by the Venezuelan Companies. The Project was based on the power lines and electrical sub-stations associated to the Thermo electrical Plant El Vigia, with 55 km of power line 230kV single circuit line, 1 km of power line 400kV simple circuit line, sub-station Moralito 230/138/24 kV and sub-station at Vigia II 230/115 kV. The scope of work included:

- Ensure the engineering developed by the Chinese companies comply with local regulations, Standards and Codes (CADAPE / ENELVEN) of the Venezuelan Government and the Client's.
- Ensure that all engineering documentation is approved for construction under the Venezuelan Regulations, and ensure that design is accepted review and approval by the Client and Governmental authorities.

