

POWER LINES AND SUB-STATIONS

Electrical System of V Production Line Aluminum

Client: CVG VENALUM

Location: Bolívar- Venezuela

Scope: IB, ID

Disciplines involved: Electrical, Structural, Civil, Architecture, Mechanical engineering, Instrumentation & Control and Telecommunications.



Description: Expansion the new electrical systems for the V Line at CVG Venalum.

Development of basic and detailed engineering for the following facilities:

- 115 kV Power lines for the existing interconnection system – new facilities
- Planning studies for the network and routing.
- Localization of electrical tower structures.
- Mechanical calculation of conduits and tension tables.
- Design and technical specifications of isolators, ironwork and accessories
- Design of steel support structures.
- Design of foundations for electrical transmission towers.
- Design of 115kV electrical sub-station
- Design and specification of electrical equipment
- Grounding

