

This project was developed to PROMON in the year 2001. In this project was carried out the Substation of 230 kV of UTE TERMOPERNAMBUCO, with 2 spans Generator - Line of 230 kV from side to side and 1 span of Generator with bars arrangement of disjunctors and half type.

In this Project, ELTMAN has developed the follow activities:

Basic Project:

- . Main unifilar diagram;
- . Unifiliars diagrams of Auxiliary Services;
- . Arrangement - floor plan and cuts;
- . Command room;
- . TE of Measurement, Protection, Command, Control and Supervision digital system
- . Telecommunication TE;
- . Disjunctors TE;
- . Sectionnal TE;
- . TE dos PTs e CTs;
- . Lightning-arrester TE;
- . Substation Points List, Electrical BOP and ONS.

Executive Project:

- . Detailed arrangement - floor plans and cuts;
- . Equipments installation in the yard;
- . Materials for installation lists;
- . Soil loop;
- . Aerial Network;
- . Yard illumination;
- . Cable stretching calculations;
- . Efforts on structure calculation;
- . Metallic structure dimensioning;
- . Cable lists and interconnection diagrams;
- . Complete civil project;
- . Civil project of the Command house;
- . Measurement, Protection, Command, Control and Supervision digital system points list.