

Juba I and II hydroelectrical power plants has been carried out to ANSALDO of Brazil, during the years 1992 and 1993. Juba I and II power plants are composed with 2 Power House each with 4 Generator Units of 12 mVA each and Elevatory Substations of 138 kV.

In this Project, Eltman has developed the follow activities:

Control and Protection Project to Generator Unit and Substation of 34,5 kV, including:

- Workstatement;
- Control Points list;
- Unifliars, Triliars, functionals and logicals diagrams;
- Adjustment and Protection configurations;
- o Acceptance Test in Plant and Commissioning Tests of entire system of Control and Protection;

In Telecommunication System has been developing:

- Technical specifications
- Telecom documents analysis;

Electromechanical installation project for Power House and Substation, including:

- Power House and Elevatory Substations layouts;
- Electric Equipments installations;
- Telephony Network;
- Soil Looping;
- o Electric Conductors Project;
- Dimensioning of power cables, batteries and loaders and auxiliary services power transformers.