

Quebra Queixo Hydroelectrical Power Plant was elaborated to VOITH SIEMENS since 2000 to 2001. This Power Plant is composed with 3 Generator Units of 45 MVA each, it is connecting to transmission system of ELETROSUL through 2 transmission line of 138 kV that connects the Power Plant to the remote Substation of Pinhalzinho.

In this Project, ELTMAN has developed the follow activities:

- Digital System of Protection and Control project for Generator Units and Elevatory Substation, comprehending:

- Workstatement;
- Control Points lists
- Unifiliars Diagrams
- Trifliars, functionals and logicals diagrams;
- Interconnection diagrams and cable lists;
- Adjustment and Parametrization surveys for Generators and Lines of 138 kV protections;

- Auxiliary services dimensioning of Power House, which it was elaborates the follow documents:

- Unifiliars diagrams
- Dimensioning of loaders, batteries, auxiliary services trafos and power cables;
- Functionals and Triliars diagrams of auxiliar services panels;