

We have been developing since october/2003, to VaTech Group, executive projects to electric engineering areas, electricmechanical and telecommunication installations to Capim Branco I and II complex, composed of:

- Two Power Houses;

- Two Interconnection Substations;

- Adaptation in 5 Substation of CEMIG (Emborcação, Araguari 2, Uberlândia 1, Uberlândia 2 and Uberlândia 7).

Capim Branco I hydroelectrical power plant contains 3 Generator Units of 85,5 MVA each and Capim Branco II, 3 Generator Units of 74,2 MVA each. The substation of Capim Branco I connects with Emborcação Substation through 2 lines of 138 kV. The substation of Capim Branco II connects with Emborcação, Araguari 2, Uberlândia 1 and Uberlândia 7 substations, through 4 lines of 138 kV.

Beyond the executive project in process, ELTMAN has consolidated Basic Project of the complex, developing the follow activities:

- Main Unifiliars and auxiliary services diagrams revision;

- Technical Specification revision of the main electric equipments, such as: Main Transformers and Auxiliary Services, Surto and Neutron Cubiculums of Generators, Batteries and Power House Loaders, Medium and High Voltage distribution panels, PTs, CTs, Circuit Breakers, Sectionators and Substation Lightning arrester of 138 kV;

- Technical Specification Revision of Telecommunication System for entire complex;

- Technical Specification Revision of Digital Systems of Protection and Control;

- Technical Specification Revision of Income Mesuaremente System;

- Technical Specification of Electronical Vigilance System;

- Workstatement elaboration of Digital Systems of Protection and Control.