

KORONA

TPP Brestanica

Integration of control information systems



INVESTOR

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SCOPE OF WORK

Thermal Power Plant Bretnanica (TPPB) plays a special role in Slovenian electro energy system for its gas combined cycle technology as well as its advantageous location. The main independent control systems in TPPB are: the production system, switchyards, water preparation, fuel supply system and fire protection. Korona built the integrated control system, that collects data from all control systems mentioned above.

Integrated control information system is based on the SCADA server, which processes collected data regarding analog values and alarm conditions and saves them in the local database. The processed data is presented on process schemes that can be viewed by operator on SCADA server, big screen and WEB client. The chosen data are recorded in Microsoft SQL Server database, located on data server.

Functions of integrated control system are:

- data collection from local control systems into process database of the SCADA server
- data processing for the presentation
- data processing regarding alarm conditions
- data archiving in SCADA server local database
- data presentation and communication with the user (via Intranet)
- data archiving in data server database

