



Hydro ECI inc.

Electricity, Control-protection, Instrumentation

Project description

Project	Dresden Island
Owner	Northern Illinois Hydro
Location	Illinois, USA
Turbine(s)	3 Kaplan pit turbine double regulated of 3.8 MW each
Turbines manufacturer	Mavel a.s.
Auxiliaries (per turbine)	1 voltage regulator 1 hydraulic power unit 1 gearbox and lubrication system 1 cooling system 1 generator bearing lubrication system 1 head gate
Turbine's operating modes	Automatic / Manual / Test
Turbine's loading modes	Position / Water Level
Control PLC	Allen Bradley ControlLogix
Equipements and services provided	Phase and neutral cabinets. Medium voltage switchgear equipment. Turbines - generator control and protection panels. Control system design and programming. Commissioning.