



Hydro ECI inc.

Electricity, Control-protection, Instrumentation

Project description

Project	Aberfeldie
Owner	BC Hydro
Location	British Columbia, Canada
Turbine(s)	3 Francis of 8.3 MW each
Turbines manufacturer	Andritz Hydro
Auxiliaries (per turbine)	1 speed governor 1 voltage regulator 1 hydraulic power unit 1 lubrication unit 1 lifting unit 1 cooling system 1 butterfly valve
Turbine's operating modes	Automatic / Manual / Test
Turbine's loading modes	Power / Water Level
Energy dissipation system	1 valve can dissipate 25 m ³ /s.
Control PLC	Schneider Quantum
Operator interface	Wonderware Intouch
Equipements and services provided	Medium voltage switchgear equipment. Turbines - generator control and protection panels. Line control and protection panel. Energy dissipation system control panel. Control system design and programming. Electrical installation. Installation supervision. Commissioning.