



Hydro ECI inc.

Electricity, Control-protection, Instrumentation

Project description

Project	Trent Rapids
Owner	Trent Rapids Corp.
Location	Ontario, Canada
Turbine(s)	2 Kaplan single adjustment type ECObulb 4 MW each
Turbines manufacturer	Andritz Hydro
Auxiliaries (per turbine)	1 hydraulic power unit 1 oil recovery unit 1 pressure control system for the bulb 1 tail gate
Turbine's operating modes	Automatic / Manual / Test
Turbine's loading modes	Position / Water Level / Flow
Intake	1 by-pass gate assembly
By-pass gate's operating modes	Automatic / Manual
By-pass gate's control modes	Pressure / Flow / Event
By-pass gate heating system's operating modes	Automatic / Manual
Control PLC	Schneider Quantum
Operator interface	Wonderware Intouch
Equipements and services provided	Substation. Phase and neutral cabinets. Medium voltage switchgear equipment. Turbines - generator control and protection panels. Line control and protection panel. Control system design and programming. Electrical installation. Installation supervision. Commissioning.