



Hydro ECI inc.

Electricity, Control-protection, Instrumentation

Project description

Project	Sheldrake
Owner	Axor
Location	Québec, Canada
Turbine(s)	2 Francis double runner of 12.5 MW each
Turbines manufacturer	Litostroj Hydro
Auxiliaries (per turbine)	1 voltage regulator 1 hydraulic power unit 1 turbine lubrication unit 1 generator lubrication system 1 water filtration system 1 ventilation system 1 butterfly valve
Turbine's operating modes	Automatic / Manual / Test
Turbine's loading modes	Position / Power / Water Level
Weir	2 sluice gates
Sluice gates' operating modes	Automatic / Manual
Sluice gates' control modes	Position / Level
Control PLC	Schneider Momentum
Operator interface	Wonderware Intouch
Equipements and services provided	Turbine - generator control and protection panel. Line control and protection panel. Intake control panel. Weir control panel. Control system design and programming. Commissioning.