

Life Is On

Schneider
Electric

Schneider Electric Hydro Power Development Center's Portfolio of Solutions

A complete solution for powering and managing hydro power plants

- Plant-wide automation systems.
- Turbine control (one or more turbine-generator groups), featuring start/stop sequence, speed regulation, and security alarms.
- Generator control, synchronization, protection and voltage regulation, exciters.
- Control of auxiliary equipment: dams, penstocks, valves, gates.
- Water resource management.
- Network connection and power monitoring.
- Electrical system devices and retrofit solutions.
- Lifecycle management: factory training services and factory field service engineers.

EcoStruxure™ Hybrid DCS
Modicon® PLCs
Turbomachinery controls
SCADAPak® Remote Control
PowerPact™ Motor Protection
Schneider Electric Integration Services
Square D™ Motor Control
Avantis® Asset Mgmt Software
Pelco® Security
Wonderware® Software
TeSys® T Motor Management
Square D™ Power Meters
Foxboro® Instrumentation
Schneider Electric™ Electrical Services
APC® UPSs

schneider-electric.com



1. Schneider Electric Integration Services

- Full turnkey project responsibility
- 300+ project reference sites construction and demolition services

2. Modicon PLC & Industrial Control Systems

- EcoStruxure Hybrid DCS
- Modicon PLC integration
- Schneider Electric devices embedded into EcoStruxure Hybrid DCS

3. Hydro Turbine Solutions & Systems

- Governor controls
- Synchronizer controls
- AVR/Exciter controls

4. Schneider Electric Services

- Electrical system modernization and upgrades
- Power system design and upgrades
- MCC bucket replacement solutions

5. Cybersecurity Systems and Consulting

- NERC CIP program development
- Network system design
- Hardware and software compliant system design

6. Mechanical Retrofit Upgrades

- Speed gears, speed probes and brackets
- Actuator cabinet conversions
- Hydraulic power units high/low-pressure apps

7. Telemetry & Remote SCADA Solutions

- SCADAPak
- Smart RTUs
- EcoStruxure Geo SCADA Expert - HMI
- Radio solutions and wireless instruments

8. Square D Intelligent Motor Control Centers

- Multiple communication protocols
- Integrated communications and metering
- Intelligent ethernet wiring

9. Altivar Drives Variable Speed Drives

- Process control intelligent drives
- Simple PLC integration
- Wide range: 0.75kW - 800kW

10. Transformers

- Comprehensive range of technologies
- Wide range of power: 0.4MVA - 100MVA
- Indoor and outdoor applications

11. Foxboro Instrumentation

- Temperature, pressure, flow, level
- Analytical: pH, ORP, conductivity
- Power-centric solution offering

12. Square D Switchgear

- Custom designs
- Air and gas insulated
- Competitive retrofit systems

13. TesyT Motor Management

- Advance motor management system for protection
- Motor starters and contactors
- Multiple protocols

14. Medium Voltage Circuit Breakers

- Drawout vacuum circuit breakers up to 27kV
- High current air circuit breakers
- Motor circuit breakers and switches

15. Power Meters

- RTU for data acquisition and integrated metering
- Multi-circuit meters
- Power metering software

16. Lifecycle Management

- Factory Training Service
- Factory Field Services Engineers

17. Software

- Industrial information management
- Historian
- Reporting tools



Let us arrange a webcast to demonstrate our EcoStruxure Hybrid DCS and Electrical Device Integration.