

# Electrical Engineering for HYDROELECTRIC



## Hydroelectric Expertise



H2E is a very specialized electrical engineering consulting firm with a wide range of hydroelectric expertise from power distribution and generation to controls and automation.

## Capital Planning & Support



H2E collaborates with you in developing short and long term strategies, including budget and CapEx estimates, to achieve your operational objectives.

## System Integration



H2E integrates your plant including generator synchronization, spill control and pond control utilizing proven technologies and expert know-how.

## Start-up & Commissioning



All H2E developed software and control packages are commissioned by H2E engineers on your site ensuring functionality and safety requirements.

## Training



Handoffs come easy when plant personnel have been involved through the process of construction, start-up and integration.

**H2E looks at your plant the way you do, with an eye to making it better, safer and more productive.**

We work with you to understand your long-term vision, developing an integrated program approach to your overall success.

## Service tailored to your needs

Because we've worked in all aspects of hydro, we provide the support you need in:

- Substation design
- Restoration, gate, spill, and pond control
- Switchgear design
- Governors and Exciters
- Electrical balance of plant
- System synchronization
- EIM capacity balancing
- Plant SCADA and communication systems
- Renewal energy integration
- Pump storage systems

