

HYDROPOWER TRAINING PROGRAM GT-5000

Marcraft's Hydropower training panel will ensure individuals are trained in all aspects of the operation and maintenance of a hydro generation plant, as well as flow control of the river system and tributaries. They will confidently be able to monitor equipment conditions and performance, accomplish preventive and minor maintenance routines, and conduct process control and failure analyses. Students will operate plant equipment such as turbines, pumps, valves, gates, fans, electric control boards, and battery banks.



Not Just a Simulation! Hands-on Labs Use the Following Equipment:

- Multimeters
- Motors and Gears
- Water Wheels
- Control Panel Meters, Switches, & Fuses
- Flow Meters

The Marcraft Hydropower Training Course covers these topics:

- Types of Energy
- Potential and Kinetic Energy
- Voltage and Current
- Electrical Loads
- Electrical Power Consumption
- Power Math
- Making Electrical Connections
- History of Hydropower
- Hydropower Terms
- Measuring Head and Flow
- Microhydropower Systems
- Turbines
- Maintenance
- Economics of Microhydropower
- AND MUCH MORE!**

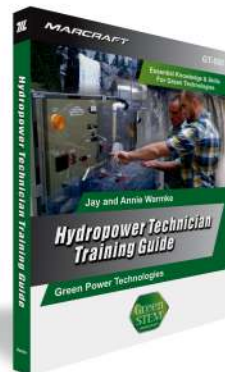


Real World Hands-on Labs!



INCLUDES:

- GT-5000 Hydropower Technology Panel
- GT-500IG Instructor's Guide with PowerPoint Presentation Media (1 Per Classroom)



ACCESSORIES:

- GT-500 Hydropower Text/Lab Guide
- GT-500SC SCADA Package