# SUSTAINABLE CONSERVATION
## GT-2500

**The GT-2500 Sustainable Conservation Technology Panel provides students an introductory hands-on interactive experience with multiple energy design, monitoring and auditing processes and technologies. As important as generating power and energy can be, it is equally important to understand how we can conserve and improve upon our current processes. With identification and analysis techniques learned throughout the course, students will understand how new techniques such as LEED design are improving the efficiency of our energy usage.**

**Real World Hands-on Labs!**

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

- Passive Solar Water Heaters
- Data Loggers
- Temperature Sensors
- Wind Speed Sensors
- Sound Sensors
- Light Sensors
- Humidity Sensors
- Ph Sensors
- Dissolved Oxygen Sensors
- Computer Aided Drafting & Design Software

**The Marcraft Sustainable Conservation Course covers these topics:**

**Energy Auditing**
- Measuring Electrical Consumption of Devices
- Calculating Electrical Loads
- Implementing Power Saving Options
- Evaluating Insulation Values

**Environmental Monitoring**
- Gathering Data with Portable Datalogger
- Evaluating Soil and Water as Insulation
- Charting Temperature Changes Throughout a Structure with Different Insulation and Heating Conditions

**Sustainable Architecture**
- Structural Building Components' Affect on Energy Consumption
- Planning Sustainable Buildings
- Passive Solar Lighting and Heating Techniques
- LEEDS Standards

**AND MUCH MORE!**

## INCLUDES:

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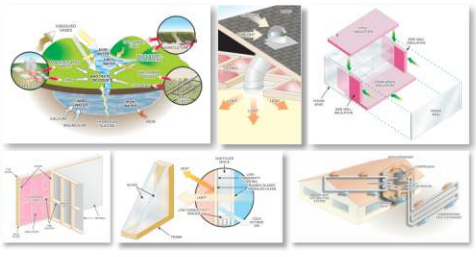
| GT-2500 | Sustainable Conservation Technology Panel (Requires PC Workstation Computers) |
| GT-250IG | Instructor's Guide with PowerPoint Presentation Media (1 Per Classroom) |





## ACCESSORIES:

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|---|---|
| GT-250 | Sustainable Conservation Text/Lab Guide |
| GT-250SC | SCADA Package |