

### MC3000 SCADA MASTER HIGHLIGHTS

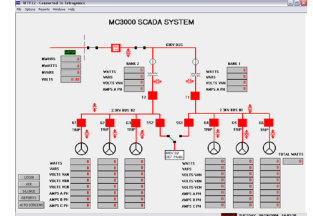
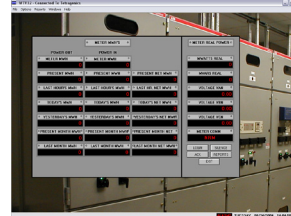
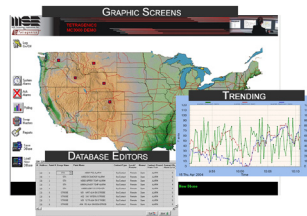
- **Plant Control System (PCS)** - provides load, spill, pond, VAR, volt, power factor, etc. functions
- **Communications Monitoring System (CMS)** - monitors and controls remote equipment
- **Millisecond Time Stamping** - records events to millisecond accuracy
- **Sequential Event Recorder**
- **Protocols** - communicates data and control commands between devices with DNP3, Modbus, JEM2, ISD, ISC, Schweitzer, and MSE-Tetragenics protocols
- **Industrial Flexibility** - monitors and controls industrial applications- hydro plants, utility substations, comm towers, water and wastewater plants, and energy management systems
- **Communications Devices** - provides real-time data acquisition, remote control, and alarm notification
- **Security** - case-sensitive user name and password with 255 access levels available
- **Scalability** - supports up to 128 polling ports/236 RTUs per port for max 30,208 RTUs
- **Control System** - connectivity and logic execution capabilities to handle complex scripting, discrete, and process applications
- **HMI** - view/control functionality with WTV32 GUI
- **Command Center** - 24/7 network monitoring turns any PC into a command center
- **Water Optimization** - maximize MW production for the allocated flow
- **Internet/Intranet Ready** - view system with a Web browser

... For more highlights: Visit <http://www.tetragenics.com>

The **MC3000 Supervisory Control and Data Acquisition (SCADA) Master** is a multi-user, real-time HMI/SCADA solution for hydro and substation automation, communications monitoring, and plant control. It collects valuable data from a wide variety of devices, including substation computers, Remote Terminal Units (RTUs), Programmable Logic Controllers (PLCs), and Intelligent Electronic Devices (IEDs). The program is ideally suited for small to large sized monitoring and control projects that require reliability, performance, and scalability. The MC3000 SCADA Master is reliable, fast, secure, easy to use, and expandable for future needs.

The MC3000 contains multiple features that use Ethernet, Intranet/Internet, and dial-up capabilities. The system combines advanced MSE-Tetragenics software with 32-bit protected mode processing, built-in diagnostics, critical alarm upgrading, security, multi-region/number callout, multiple download options, and electronic CPU printing capabilities. View the system home page locally or remotely over the Intranet/Internet at remote sites using a standard browser.

### Screen Shots



### System Features

- HMI/SCADA software
- Ethernet functionality
- Full network capability
- RTU communications
- Real-time data collection
- Customized reports
- Multiple download capabilities
- Dial-up RTU support
- Critical alarm upgrading
- Security with 255 access levels
- Global daily log file
- Scalable to hundreds of nodes
- Support for standard protocols
- Web control and monitoring
- Windows-based database editors
- TBOS RTU
- Sequential control
- Sequential Event Recording
- Real-time data monitoring and historical trending
- Easy alarm recognition
- Diagnostics
- History files
- Screen blanking
- Event-driven processing
- Help screens
- Online file utilities
- Alarm annunciation
- Communications tracking
- Online parameter changes
- Auto-generated/custom web pages
- Custom views
- Distributed alarms
- Data logging
- Animated graphics
- PID (proportional integral derivative) control
- Audible alarms
- Ping capabilities
- Electronic CRT printing
- Event notification
- High input/output count
- Modular design
- Object-based architecture
- Http server functionality
- Runs on Windows® platforms
- XML ready

