



MSE – Tetragenics' MC3000 Supports DNP3 Protocol

May 4, 2004 – Butte, MT – MSE – Tetragenics, a leading automation, monitoring and control system company, announces the enhancement of the MC3000 to support the DNP3 Protocol. The MC3000 Master Alarm Control System is designed for system control in a secure environment. The DNP3 Host protocol enables the MC3000 to achieve standard, open-based interconnectivity between substation computers, Remote Terminal Units (RTUs), intelligent electronic devices (IEDs), and master stations. Industry trends indicate that DNP3 is now the leading choice for automation managers.

The MC3000 combines advanced Tetragenics software with 32 bit protected mode processing, built-in diagnostics, critical alarm upgrading, Ethernet support, security, multi-region/number callout, network data logging, and multiple download options. The system can be viewed locally or remotely over your Intranet/Internet at remote sites using a standard web browser.

Able to run on multiple platforms, the MC3000 Master is ideally suited for small to large-sized monitoring and control systems that require the performance and scalability offered by today's powerful computers.

MC3000 Master System Highlights

- **DNP3 Host** – uses this latest standard protocol allowing substation computers and master station computers to communicate data and control commands – the MC3000 supports several other protocols, including Modbus, JEM2, Schweitzer, and Tetragenics protocols
- **Multiple Platforms** – runs on Windows XP, 2000, NT, and 98
- **Security** – requires a case-sensitive user name and password with 255 access levels available
- **Expandability** – supports up to 10,000 IEDs/RTUs/PLCs
- **Internet/Intranet Ready** – allows system to be viewed securely with a web browser
- **User-Definable Logic/Control Sequences** – can execute user-defined sequences and controls based on time and/or event
- **Auto Generated Text Screens** – displays text screens automatically, showing the status of each input and output in the system
- **User-Defined Screens** – allows customization of high definition graphic screens
- **Ethernet Polling** – communicates with remote units over the network
- **System Editors** – uses Windows-based System Database Editors (SDE), containing user-friendly tables with scrolling parameters for easy editing
- **Trending** – creates graphical trends of real-time and historical data
- **Historical Data Archive** – stores data for later viewing, or import into other programs in ASCII format for analysis
- **Email Alarm Notification** – automatically emails notification of alarms to specified email addresses (used in addition to audible and call out alarm features)
- **Ping Alarming** – provides automatic pinging features for selected devices on the network
- **Plant Control Functions** – provides load, spill, pond, VAR, volt, PF, VAR Balancing functions
- **Alarm Levels** – contains user-defined alarm levels with 128 available configurations
- **Custom Modules** – allows custom system expansion by system administrator or Tetragenics Engineer

For more information visit <http://www.tetragenics.com/mc3000.htm>.

About MSE – Tetragenics

Tetragenics, a division of MSE, provides total automation systems, monitoring and control, data acquisition, and system integration. Our specializations include SCADA, communications monitoring and control systems, intelligent remote terminal units, system integration, and hydro automation. For more information on Tetragenics, please visit www.tetragenics.com.

About MSE Technology Applications, Inc.

MSE Technology Applications is one of the nation's premier advanced technology development firms with experience in managing large federal government technology research, development, and commercialization programs. MSE offers comprehensive services in the development, testing, evaluation, deployment, and commercialization of innovative advanced technologies. For more information on MSE, please visit www.mse-ta.com.

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Press Contact:

Jeff Hartwick
Marketing Specialist
MSE – Tetragenics
Phone: 406.533.6813
Email: jhartwick@mse-ta.com