



WORLDWIDE *The Interface Solution Experts*

Moore Industries-International, Inc.

**Editorial Contact:**

Steve Todd, (818) 894-7111  
stodd@miinet.com

16650 Schoenborn Street  
North Hills, CA 91343-6196  
Telephone (818) 894-7111  
FAX (818) 891-2816  
E-mail: info@miinet.com  
www.miinet.com

**FOR IMMEDIATE RELEASE**

**Moore Industries NCS Intelligent Remote I/O System Acquires cFMus Approvals for Use in General and Hazardous Locations**

NORTH HILLS, CA— The NCS NET Concentrator System® industrial I/O system from Moore Industries has achieved Factory Mutual (FM) approval as a Non-Incendive Apparatus (multiple device system), allowing the smart and rugged I/O system to be used in Class I, Division 2, Groups A, B, C & D Hazardous “Classified” Areas in both the U.S. and Canada. The NCS is being used for data acquisition, process control, machine control, and as a communications concentrator in the most difficult environmental conditions, ranging from operation in unheated and un-air-conditioned cabinets in Canada to desert installations in Saudi Arabia and Australia. The NCS is rated for operation in temperatures ranging from -40°F to +185°F (-40°C to +85°C), and is protected against RFI/EMI, high vibration, and shock common in heavy industrial applications.

With FM safety certifications acquired in accordance with the applicable U.S. and Canadian standards, the NCS can now be used in both General /Ordinary (safe) Locations and in Hazardous Locations (potentially explosive atmospheres) classified as Class I, Division 2, Groups A, B, C & D. This makes it possible for the NCS to be used in chemical plants, refineries, offshore rigs and pharmaceutical plants where potentially explosive gases and liquids may be present.

The NCS is well suited for use in process control, data acquisition and machine control applications. For process control, it has the ability to act as a PID loop controller with simple cascade, split action, and inverse capabilities, plus complex math functions. For machine control, it has sequential control language programmability based on the IEC 61131-3 Programmable Controller Languages including Ladder, Function Block Diagram, Structure Text, Sequential Flow Charts, and Instruction List.

The NCS can also be used as a data acquisition system. Using a 10/100Base-T Ethernet or MODBUS RTU network, the NCS offers the ability to connect both “legacy” signals and newer process control signals and sensors to a DCS, PLC or PC-based strategy while offering an optional on-board data logger. Plants can now expand their control schemes by not only concentrating their I/O remotely, which saves wiring costs, but also by using the on-board control and math capabilities of the NCS.

With FM certifications covering General (safe) and Hazardous Locations and its “field transmitter” like features, including channel-to-channel isolation, RFI/EMI protection, 20-bit input resolution and high ambient operating temperatures, plant personnel can expand their I/O and control strategies virtually anywhere with the NCS.

For more information, contact Moore Industries-International, Inc., 16650 Schoenborn St., North Hills, CA 91343, U.S.A; Telephone: (818) 894-7111; FAX: (818) 891-2816; E-mail: info@miinet.com; Web Site: [www.miinet.com](http://www.miinet.com).

# # #