FOR IMMEDIATE RELEASE

CONTACT: MYNAH Technologies
Jason Covington +1 (636) 681-1587
mailto:jason.covington@mynah.com

New Modbus Drivers Provide High Performance and Greater Security for Integrating Plant Floor Areas at a Low Cost

MYNAH Technologies, Leader in Process Simulation and Automation Solutions

ST. LOUIS, MISSOURI (December 2006) -- Comprehensive implementation of Modbus serial and TCP/IP provides high performance and greater security for integrating plant floor areas at a low cost. MYNAH's new Modbus Drivers reduce integration costs, complexity, and system lifecycle by allowing greater connectivity to more devices. MYNAH's Modbus Drivers also provide enhanced product control and quality due to process control functionality and speed of response. Lastly, MYNAH's Modbus Drivers reduce downtime, providing a more secure control system and improved plant safety due to enhanced redundancy.

MYNAH's Enhanced Modbus Driver (IOD-1134, in previous releases, referred to as the Inverted Floating Point Modbus Driver) now supports absolute table indexing and user-configurable floating point byte order. Absolute table indexing allows the user to access any address space from the register start address to the offset of 65535. For example, if holding registers start at 400,000, register users can access up to 465,535. User-configurable floating point byte order allows users to characterize floating point byte order for the most significant and least significant byte.

MYNAH's new release of the Modbus TCP/IP Driver (IOD-4101) reduces integration costs, complexity, and system lifecycle due to greater connectivity to more devices.   It supports the new features of the Enhanced Modbus Driver (IOD-4101) as described above. It also supports all three variants of the Modbus TCP/IP protocol on the same VIM and to the same device (if required) including:

RTU TCP (Open Modbus messaging using TCP/IP),
RTU via TCP (Modbus encapsulated in TCP/IP messages), and
RTU via UDP (Modbus encapsulated in UDP broadcast messages.)

MYNAH's new release of the Modbus TCP/IP Driver also supports multiple masters and multiple slaves. In Modbus Master Mode, 32 slaves are supported per master. In Modbus Master and Slave Mode, 16 slaves per master and 16 masters per slave are supported. In Redundant Master Mode, 16 slaves are supported by the master.

The Modbus TCP/IP Driver provides seamless support of Modbus Gateways, including Ethernet to Serial and Ethernet to ModbusPlus. Up to 16 Modbus addresses can be associated with a single TCP/IP address. Additionally, the Driver supports all commonly used Modbus commands including:

Class 0

- Read Multiple Registers (3)
- Write Multiple Registers (16)

Class 1

- Read Coils (1)
- Read Input Discretes(2)
- Read Input Registers (4)
- Write Coil (5)
- Write Single Register (6)

Class 2

- Force Multiple Coils (15)
- Machine/vendor/network specific functions
- Diagnostics(15)

MYNAH's new Modbus Drivers also provide enhanced product control and quality due to process control functionality and speed of response. The Modbus Drivers support up to 16 simultaneous messages per device in Master or Slave mode. The user-configurable periodic output writes only upon change of state. The Drivers also provide configurable dataset level scan timing control.

Lastly, MYNAH's Modbus Drivers reduce downtime, providing a more secure control system and improved plant safety due to enhanced redundancy. Enhanced features for redundant installations include three types of user-configurable pings: Modbus FNS, user-designated Ping dataset, and Network (ICMP) Ping. The Drivers allow for Active, Standby switchover control from DeltaV function blocks. In addition, the Drivers have user-configurable redundancy controls for simplex devices, redundant devices with switching IP address, and redundant devices with non-switching IP.

In summary, the MYNAH development team has enhanced the Modbus Drivers to be high-performing, low-cost solutions for integrating plant floor areas. The Modbus Drivers reduce cost, complexity, and downtime. They also provide greater product control, providing a more secure control system with improved plant safety.

About MYNAH Technologies

MYNAH Technologies (www.mynah.com) is a leading provider of Process Simulation Software for Automation system software acceptance testing and operator training. Process companies worldwide save time and money on their process automation projects by using MYNAH's award-winning MiMiC Process Simulation Software. MiMiC Process Simulation Software was recently awarded first place in *Control Magazine's* 14th Annual Readers' Choice Awards for Simulation Software. MYNAH also received recognition as one of the top "Vendors Offering Exceptional Service." MYNAH also produces high-performance products for IO and device connectivity. MYNAH Technologies is a wholly-owned subsidiary of Experitec, Inc., located in Chesterfield, Missouri, USA .

MYNAH – Powerful Solutions for Digital Plants

MYNAH and MiMiC are marks of Experitec, Inc.

DeltaV is the mark of Emerson Process Management.

All other marks are property of their respective owners.

Information on MYNAH's products and technologies can be found at **www.mynah.com**.

###