

# Industrial Ethernet Technology Forum 2009

## 2009工业以太网技术高峰论坛

### N-Tron Asia

演讲人： Mr. Chris Matthews

演讲题目： N-TRON Wireless Ethernet IEEE802.11a, b, g, n  
Wireless Local Area Network (WLAN) Basics



Mr. Chris Matthews  
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Mr. Chris Matthews has 15 years of experience in the electro-mechanical motion control, Programmable Logic Control, and Industrial Networking industries. His experience includes field service, product specialist, and various management posts within Eaton Cutler-Hammer Automation, Siemens Energy & Automation, and N-Tron Corp. In his current position he is in charge of Sales and Marketing throughout Asia for N-Tron.

#### Who are we?

N-TRON™ was founded in 1999 as a developer, manufacturer, and marketer of Ethernet network equipment for industrial applications. Our goal is to be internationally recognized as “The Industrial Network Company”

N-TRON Corp. develops, manufactures, and markets highly reliable industrial network products designed to solve the most demanding communications requirements for mission-critical MIS, data acquisition, and control applications.

Our customers are engineering and information technology professionals who require Ethernet products to operate in industrial environments with high throughput and minimum downtime.

N-TRON’ s corporate headquarters are in Mobile, Alabama.

#### Meeting a Market Need

It is well established that technology products for industrial applications must be harder than their commercial counterparts. A wide range of industrial computer equipment is available from a multitude of manufacturers.

Equipment such as industrial PC’ s, ruggedized laptops, control systems, Ethernet I/O, and data acquisition equipment are routinely provided that meet industrial requirements such as:

- Higher Operating Temperatures
- Higher Shock Tolerance
- Expanded Humidity Ranges
- Ruggedized Enclosures
- Convenient Industrial Mounting Capabilities

Ruggedized versions of computing equipment are commonplace in factories today. A large portion of this equipment is connected to the corporate network. Since industrial networking equipment has not been available, nodes are typically connected with individual wiring drops to a climate controlled environment. This creates significant expense, complexity, and reliability issues.

N-TRON solves this problem by providing a complete family of



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industrial networking equipment. This allows all Ethernet nodes (i.e. controllers, PLC' s, industrial computers, remote I/O, etc.) to be interconnected locally with high speed uplinks to the corporate network.

#### Products

N-TRON products are ideal for the interconnection of:

- Industrial PC' s
- Programmable Logic Controllers
- Ethernet I/O
- Distributed Control Systems

All N-TRON switches, including wireless switch of 702-W which is released at 2008 and uses protocol of 802.11n, are

housed in ruggedized steel enclosures, designed to withstand the most demanding industrial applications, and have

been fully tested and certified at industrial environmental extremes. The most common industrial packages are

available:

- DIN-Rail
- Panel Mount
- Rackmount

#### Sales, Support, and Service

• Effective January 1, 2008, all N-TRON products carry a 3 year limited warranty that includes cross-shipment

of a replacement product to minimize downtime. Products are available directly from N-TRON' s network of authorized distributors.

• To locate a distributor near you or obtain additional information, call us at China Shanghai Representative

美国恩畅股份有限公司上海代表处

Office 021- 6133 7770

**N-TRON**  
THE INDUSTRIAL NETWORK COMPANY







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## 北京恩盛创合电气自动化工程技术有限公司

### Company Profile

Beijing N-STRONG Electrical Engineering and Automation Co., Ltd. is specializing in the automation system integration and selling of industrial automation products. It is committed to become a world-class industrial communications expert, which provides cost-effective and high stability of the various industrial Ethernet solutions to customers.

Our company is general agent of American company N-TRON in China. N-TRON Corp. is located in Mobile, Alabama. It specializes in design and manufacture of high reliability, high performance, high anti-interference ability of industrial Ethernet switches, and all its products are made in the U.S.A. The products already had a number of international certifications such as UL, and they had widely used in electric power, telecommunications, water conservancy, transportation, coal, petrochemical, metallurgy, environmental protection, security, military and other complex industrial environment. These industrial Ethernet switches is not only won the trust of users, but also sale covered Southeast Asia, Europe, America and other global regions.

### 恩盛创合简介

北京恩盛创合电气自动化工程技术有限公司专业从事自动化系统集成和工业自动化产品的销售，致力成为国际一流工业通讯专家，向客户提供具成本效益且稳定性高的串口通信解决方案、串口设备联网解决方案、及光数据工业以太网交换机解决方案。

公司为美国N-TRON工业以太网交换机中国区总代理。N-TRON 公司位于美国阿拉巴马州，专门为工业以太网应用而设计，制造高可靠性，性能卓越，高抗干扰能力的工业以太网交换机，所有N-Tron产品全部在美国设计制造。产品已获得UL等多项国际认证，广泛应用于电力、电信、水利、交通、煤炭、石化、冶金、环保、安防、军工等变化繁杂的工业信息化环境中，深得用户信赖。销售网络已经覆盖到东南亚、欧洲、美洲等全球地区。

**N-STRONG 恩盛创合**

