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The official email newsletter of the PROFIBUS Trade Organization in North America

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Welcome to the first of a series of newsletter from PTO in which we promote the major industrial automation force that today is PROFIBUS, together with its Industrial Ethernet sister, PROFINET. PROFIBUS is the most successful fieldbus in the world, with more than 12.6 million nodes now installed worldwide throughout all industries. That's twice as many as its nearest competitor! It also has 5 times as many nodes in process automation as any other fieldbus. Why? Because it is the **only** fieldbus that covers both process automation applications and all associated discrete operations with a single, interoperable solution.

DID YOU KNOW?

... that the worldwide PROFIBUS community has more than 1200 members?

... that the largest player holds no more than 40-50% of the world market.

... that 1 million PROFIBUS nodes are installed in North America

... that PROFINET is not fieldbus specific - it can embrace (NOT displace) any existing fieldbus.

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www.namur.de

In this issue

[NAMUR endorses PROFIBUS](#)

[INDUSTRIAL SECURITY guideline published](#)

[GERMAN automotive companies back PROFINET](#)

[North American PROFINET events confirmed](#)

NAMUR ENDORSES PROFIBUS : The general assembly of NAMUR (the process control engineering interest group of the Chemical and Pharmaceutical industries), held in November last year, endorsed the use of PROFIBUS in the process industries. In its 'Fieldbus Experience Report' NAMUR clearly identified 'positive experiences' in both planning and operations, citing the examples of Vitex system at DSM in Basle, where 450 HART devices work alongside 940 PROFIBUS multi-vendor field devices and the Ketek project at Sanofi-Aventis in the Hoechst Industrial Park where over 1600 PROFIBUS devices are in use. Users confirm that a wide selection of fieldbus-capable components is now available, also that PROFIBUS represents a connectivity 'breakthrough' that results in reduced wiring, planning and installation costs. End users have also gained greater infrastructure flexibility. Martin Schwibach from BASF AG in Ludwigshaven stated: "PROFIBUS is ready for use!" A unique feature of PROFIBUS is its ability to serve mainstream processes and their associated discrete applications. Other process fieldbuses need to use a second fieldbus.



INDUSTRIAL SECURITY GUIDELINE

PUBLISHED : A brand new PI guideline has been published, providing an introduction to network security and describing a 'Security Concept' for modern automation networks. This Guideline is available free to members, from www.profibus.com. Non-members may purchase it from their local PROFIBUS Organisation or the PROFIBUS International Support Center (Order No.: 7.002, Language: English) using the linked order form right. What's the rationale?

Automation systems have moved rapidly towards highly interconnected applications employing widely-used technology such as MS Windows and TCP/IP. Furthermore, today's systems are being increasingly integrated with enterprise systems and other business applications. This means new security requirements have to be considered. PI's Industrial Security Guideline starts with a general introduction on automation and security in general. Automation systems are far from being ordinary IT systems; there are fundamental differences. An outline of the ISA's efforts in this field is also included. The major part covers security requirements and a corresponding Security Concept as developed by the PI working group 'PROFINET Security' (TC3/WG18). A short analysis then shows the extent to which the PROFINET Security Concept meets security requirements. Finally, an outline for implementing the PROFINET Security Concept rounds up the guideline.

**<<< MORE INFO**www.profibus.com/xxx[ORDER FORM](#)**GERMAN AUTOMOTIVE COMPANIES BACK**

PROFINET : Four leading German automotive companies have stated their commitment to PROFINET, the Industrial Ethernet standard of PROFIBUS International (PI). Speaking at a breakfast press conference at the SPS/IPC/Drives fair on November 24, 2004, representatives of Audi, BMW, DaimlerChrysler and Volkswagen said that the announcement will encourage supplier companies to introduce PROFINET-based systems quickly to meet the requirements of next generation automotive plants. The target is a fixed, uniform protocol that is neutral with regard to the manufacturer and user and which has an integrated safety technology. Standardization of engineering tools is also required. The four companies make up AIDA, the Automation Initiative of German Domestic Automobile manufacturers. AIDA sees that a common Industrial Ethernet environment is a way to overcome the challenges of future automation systems. PROFINET is also supported by the INTERBUS Club. Together, PROFIBUS and INTERBUS have nearly 20 million fieldbus devices installed, roughly 75% of the world market. Edgar Küster, Chairman of PI, said: "I believe this is an exciting moment in the history of automation as it offers the chance to eliminate differences and focus on end user benefits. The job of the integrator and user will be much easier and costs will be reduced. PROFINET embraces legacy fieldbus systems easily, so it protects existing investments. And of course, being TCP/IP based means that integration into IT infrastructures is immediately possible. Everybody is a winner in this new automation world and I invite once again other major fieldbus solutions providers to join us in our mission." Mike Bryant, PI Deputy Chairman and Executive Director of the PROFIBUS Trade Organization in North America added: "This decision by key players in the European automotive market sends out a powerful signal. My assessment, based on our experience of the PROFIBUS market 10 years ago is that AIDA's lead will be followed by automotive manufacturers worldwide, including I believe in North America."

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AIDA is the 'Automation Initiative of Domestic German Automobile Manufacturers'

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