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**June 2008**

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**FOUNDATION BRIEFS**

**SIF demo at Shell Global Solutions, Amsterdam, draws end users, suppliers**

The Fieldbus Foundation successfully demonstrated its FOUNDATION for Safety Instrumented Functions (SIF) technology on Tuesday, May 20, 2008, at the Shell Global Solutions technology center in Amsterdam, The Netherlands. The SIF demo attracted process automation end users and equipment suppliers from around the world.

Attendees heard several leading energy companies describe the implementation of FOUNDATION SIF in a wide range of industrial safety system applications. Participants included Shell Global Solutions, Amsterdam, The Netherlands; Saudi Aramco, Dhahran, Saudi Arabia; BP, Gelsenkirchen, Germany; and Chevron, Houston, Texas, USA. The demonstration was intended to promote adoption of FOUNDATION-based safety solutions in the process industries. The project also includes development of SIF best practices and guidelines, training, and interoperability test tools for control system and instrumentation manufacturers and end users.



*Fieldbus Foundation President and CEO Rich Timoney compares the difference between a FOUNDATION SIF system and a conventional emergency shutdown system with doing a forensic analysis on a body and performing a proactive diagnosis while the patient is still alive.*

Fieldbus Foundation President and CEO Rich Timoney discussed the difference between a FOUNDATION SIF system and a conventional emergency shutdown system (ESD), comparing them to doing a forensic analysis on a body versus performing a proactive diagnosis before death. Advanced diagnostics ensure that many issues can be addressed proactively before the ESD needs to activate.



*Peter Eigenraam, regional manager, instrumentation and plant automation DG, Shell Global Solutions, welcomes the global trade press to the FOUNDATION SIF demonstration.*

"FOUNDATION SIF provides powerful diagnostic capabilities improving a wide range of safety instrumented functions and streamlining device testing requirements," said Timoney. "This technology offers new opportunities to optimize asset management initiatives and reduce plant operating expenses."

At the Shell Global Solutions technology laboratory, FOUNDATION SIF demonstration working group members constructed a fieldbus-based safety shutdown system demonstration rig, incorporating logic solvers, safety devices, and SIF functions. The live demo was designed to evaluate FOUNDATION fieldbus-enabled safety valves with partial stroke testing (PST) capability, as well as various pressure and temperature devices. It also evaluated system integration capabilities with asset management and basic process control system (BPCS) platforms.



*Audun Gjerde, Shell Global Solutions, conducts a live SIF demo at the Amsterdam event. He demonstrated functions including high- and low-level trips, partial stroke testing of valves, and a partial stroke test interrupted by the ESD.*

The system included products from several vendors: HIMA provided the actual safety system and Yokogawa the BPCS and plant asset management software. ABB, Endress+Hauser, Magnetrol, Siemens, and Smar supplied field instrumentation. Valves came from Emerson, Metso Automation, and Westlock. Other suppliers included RuggedCom and Softing. Demos running at Saudi Aramco, Chevron, and BP included systems and products from all major process automation suppliers.



Audun Gjerde, Shell Global Solutions, conducted the live SIF demo at the Amsterdam event. He demonstrated high- and low-level trips, partial stroke valve testing, and a partial stroke test interrupted by the ESD. The last example showed that, even in the middle of a partial stroke test, the ESD could take over and shut down the system successfully during an abnormal situation. Two-out-of-three (2oo3) voting was demonstrated using various fieldbus SIF devices. The system also reacted successfully to a temperature probe loss, a measurement validation alarm, and a diagnostic alarm generated from a dry probe on a level device.

According to Gjerde, the demonstration project sought to have a logic solver fully operable with all available SIF devices, to integrate an asset management system with the SIF devices, and to integrate SIF partial stroke testing/valve stroke testing within a safety system infrastructure.

Said Gjerde, "By implementing FOUNDATION SIF, Shell expects enhanced diagnostics through a fully integrated asset management system. We also anticipate less testing of final elements thanks to smart testing and diagnostics, as well as online testing and partial stroke testing. This will result in early detection of dangerous device failures—and fewer spurious trips. The added SIF diagnostics will help engineers and maintenance personnel increase the integrity of the plant by ensuring maintenance is performed where and when it is needed. With smart online testing and diagnostics, we will be able to run for longer periods of time without shutting down the plant for testing purposes. We will also save on the cost of adding a second or third device in many cases."

With its industry-proven distributed function blocks and open communications protocol, FOUNDATION fieldbus is an ideal infrastructure for advancing standards-based SIFs. Process industry end users requested the FOUNDATION SIF solution to realize the CAPEX and OPEX benefits of open and interoperable fieldbus technology in their plant safety systems. This technology helps reduce significantly users' total cost of ownership by extending fieldbus benefits into plant safety systems.

The FOUNDATION SIF solution meets IEC 61508 standard requirements for functional safety of electrical, electronic, and programmable electronic safety-related systems, up to, and including, safety integrity level (SIL) 3. End users can build systems to the IEC 61511 standard covering SIF functional safety in the process industries. (IEC 61511 is also available as ANSI/ISA-84.00.01-2004 standard).

The FOUNDATION SIS (safety instrumented systems) protocol enables instrumentation suppliers to manufacture fieldbus devices for use in SIFs. Third-party agencies will safety certify these devices, and the Fieldbus Foundation will test and register them for interoperability. End users can apply IEC 61511 standard requirements to determine the SIL needed for a particular application, then select interoperable, safety-certified fieldbus devices from multiple suppliers for use in their safety systems.

The Fieldbus Foundation worked closely with TÜV Rheinland Industrie Service GmbH, Automation, Software, and Information Technology, a global, independent, and accredited testing agency, to achieve protocol type approval for its SIS specifications. The approval extends FOUNDATION technology to provide a comprehensive solution for SIFs in process plants worldwide.

Companies participating in the SIF demonstration working group include: ABB, BIFFI, BP, Chevron, Dresser-Masonlian, Emerson Process Management, Endress+Hauser, Fieldbus Diagnostics, HIMA, Honeywell, Invensys, Magnetrol, Metso Automation, Moore Industries, MTL, Pepperl+Fuchs, Risknology B.V., RuggedCom, Saudi Aramco, Siemens, Shell Global Solutions, Smar, Softing, TopWorx, TÜV Rheinland, TÜV SÜD, Westlock Controls, Yamatake, and Yokogawa

*For more news on future developments, visit the [Fieldbus Foundation Website](#).*

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## GLOBAL NEWS & EVENTS

### FOUNDATION fieldbus end-user seminar cruises the River Danube

End-users learned about FOUNDATION fieldbus while cruising the River Danube last month!

The Fieldbus Foundation's marketing committee for

the Central & Eastern European area (FFCEE MC) held its first end-user event of the year, a customer seminar, May 8. An obvious success, the cruise started and ended in Budapest, Hungary with some 56 delegates listening to informative presentations as their boat cruised the Danube to Visegrád and back.

The day-long program began with a welcome, followed by opening comments from Marc Van Pelt, Fieldbus Foundation vice president EMEA Operations. Van Pelt updated attendees on the current market position of FOUNDATION fieldbus and recent technological developments, including FOUNDATION Safety Instrumented Functions (SIF), High Speed Ethernet Remote I/O (HSE RIO), and wireless and Field Device Integration (FDI) projects. He described FOUNDATION technology as an automation infrastructure providing process integrity, business intelligence, and open scalable integration across the process plant.



*Delegates combine learning and pleasure as they listen to presentations about FOUNDATION fieldbus at a recent end-user event held on board a cruise ship.*

Jürgen George, a member of the Fieldbus Foundation EMEA steering committee, explained how his organization supports the foundation's current marketing activities in Hungary, and how regional marketing activities within a wider Central & Eastern European region will be expanded further over the next few months.

Representing the end user/engineering contractor community, Sven Seintsch, BIS Prozesstechnik GmbH (formerly Infracore Hoechst), provided insight into the application of FOUNDATION technology at production sites, explaining how implementation issues such as communication errors in the software or infrastructure can be addressed. Seintsch is also an active member of NAMUR Working Group 2.6 Fieldbus.



*Attendees enjoy a trip on the Danube as an added benefit of their educational seminar, cruising the river from Budapest to Visegrád and back.*

After a complimentary lunch, end users could attend one of two concurrent roundtable discussions. One covered the implementation of FOUNDATION technology from an investment/project management standpoint, the other considered the technology from the end user/maintenance point of view. An industry expert moderated each workshop, then presented key discussion points and conclusions to all the delegates at the end of the day. Moderators included István Bencze, Emerson Process Management, who recently completed project coordination of a second plant installation; and László Simon, TEVA Hungary, who has been actively involved in the design, installation, and commissioning of a new pharmaceutical plant in Sajóbáony, Hungary, that has more than 600 field devices. Simon is also responsible for the maintenance of all company plants.

Van Pelt said he was pleased with the positive feedback received from the delegates. He added that the seminar was an inspired and original way to hold a customer event: a combination of market and technical presentations, lively roundtable discussions, and the relaxing charm of the river cruise. Van Pelt said that the Fieldbus Foundation EMEA steering committee appreciates the participation of regional marketing committee members in these events and looks forward to more such seminars in this area in the near future.

For more information, email [CEE\\_info@fieldbus.org](mailto:CEE_info@fieldbus.org)

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### Two Fieldbus end-user events to be scheduled for Middle East locations

The Fieldbus Foundation Middle East Marketing Committee (FFMEMC) is planning to host two FOUNDATION fieldbus end-user events this fall—tentatively in October—in Kuwait and Qatar. Each seminar will be scheduled for a conveniently located hotel, is expected to run from 8:30 a.m. to

1:00 p.m., and will include a complimentary lunch.

Following the theme "FOUNDATION Fieldbus—Engineering the Future," the seminars will offer an update on Fieldbus Foundation technical developments and presentations by current implementers of FOUNDATION technology from the end-user perspective. Discussions and question-and-answer sessions with the presenters and FOUNDATION technology experts will give attendees the opportunity to share application experiences and gain practical insights into the implementation of FOUNDATION fieldbus within their own processes.

In addition to the core presentations, topics may include an introduction to FOUNDATION fieldbus for safety instrumented functions (SIF) or a detailed look at the deliverable business benefits of FOUNDATION technology in terms of process integrity, business intelligence, and open, scalable integration as part of a single, plant-wide solution.

Tentative Program—Kuwait	Tentative Program—Qatar
8:30: Event Registration	8:30: Event Registration
9:00: Introduction	9:00: Introduction
9:15: FOUNDATION Fieldbus Technical Overview	9:15: Fieldbus Foundation Introduction & Update
10:00: End User Presentation 1	9:45: FOUNDATION Fieldbus Technical Overview
10:30: Break	10:15: Break
11:00: End User Presentation 2	10:45: End User Presentation
11:30: FOUNDATION Fieldbus Project Execution (EPC Perspective)	11:30: FOUNDATION Fieldbus – The Business Benefits
12:00: FOUNDATION Fieldbus For Safety Instrumented Functions (SIF)	12:00: End User Presentation 2
12:30: Discussion/Questions & Answer Session	12:40: Discussion/Questions & Answer Session
1:00: Buffet Lunch	1:00: Buffet Lunch

For more information on the Kuwait event, email [kuwaitfieldbusevent@yahoo.com](mailto:kuwaitfieldbusevent@yahoo.com).

For more information for the Qatar event, visit the [Fieldbus Foundation Website](#).

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### EMEA region plans diverse fieldbus events

A variety of FOUNDATION fieldbus-related events will be conducted throughout the EMEA region in the upcoming months, the Fieldbus Foundation has announced. They include:

- Sept 3-4: Aberdeen, Scotland – Instrumentation and Offshore Systems exhibition and conference; Fieldbus Foundation UK marketing committee show participation and conference presentations.
- Mid-Oct.: Kuwait – End-user/EPC event, "FOUNDATION fieldbus – Engineering the Future" (organized by Fieldbus Foundation Middle East marketing committee)
- Mid-Oct: Qatar – End-user/EPC event, "FOUNDATION fieldbus – Engineering the Future" (organized by Fieldbus Foundation Middle East marketing committee)

For more information about upcoming EMEA events, visit the [Fieldbus Foundation Website](#).

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### Fieldbus end-user seminars to be conducted around the world

The Fieldbus Foundation offers many informational and educational events around the globe. Make plans now to attend an event in your area.



LOCATION	DATE	EVENT and CONTACT INFORMATION
Thailand	July 10, 2008	FOUNDATION Fieldbus End User Seminar More information to come
Ho Chi Min City, Vietnam	July 22, 2008	FOUNDATION Fieldbus End User Seminar More information to come
Vung Tau, Vietnam	July 24, 2008	FOUNDATION Fieldbus End User Seminar More information to come
Taipei, Taiwan	Aug. 19, 2008	FOUNDATION Fieldbus End User Seminar More information to come
Kaohsiung, Taiwan	Aug. 21, 2008	FOUNDATION Fieldbus End User Seminar More information to come
Aberdeen, Scotland	Sept. 3-4, 2008	Instrumentation, Offshore Systems Exhibition, Conference <a href="#">Click here for more information</a>
Calgary, Alberta, Canada	Sept. 11, 2008	FOUNDATION Fieldbus End User Seminar <a href="#">Click here for more information</a>
Osaka, Japan	Sept. 19, 2008	FOUNDATION Fieldbus End User Seminar More information to come
Manila, Philippines	Sept. 23, 2008	FOUNDATION Fieldbus End User Seminar More information to come.
Mumbai, India	Sept. 25-28, 2008	Automation 2008 More information to come
Pleasanton, California, USA	Oct. 2, 2008	FOUNDATION Fieldbus End User Seminar <a href="#">Click here for more information</a>
Kuwait	mid-Oct., 2008	FOUNDATION Fieldbus End User Seminar <a href="#">Click here for more information</a>
Qatar	mid-Oct., 2008	FOUNDATION Fieldbus End User Seminar <a href="#">Click here for more information</a>
Perth, Australia	Oct. 30, 2008	FOUNDATION Fieldbus End User Seminar More information to come.
Guangzhou, China	Nov. 6, 2008	FOUNDATION Fieldbus End User Seminar More information to come
Savannah, Georgia, USA	Nov. 6, 2008	FOUNDATION Fieldbus End User Seminar <a href="#">Click here for more information</a>
Chicago, Illinois, USA	Nov. 20, 2008	FOUNDATION Fieldbus End User Seminar <a href="#">Click here for more information</a>
Suntec, Singapore	Dec. 2-5, 2008	OSEA Exhibition More information to come
<b>FUTURE SEMINARS TO BE SCHEDULED IN SOUTH EAST ASIA</b>		
Malaysia	To be determined	FOUNDATION Fieldbus End User Seminar More information to come
Jakarta, Indonesia	To be determined	FOUNDATION Fieldbus End User Seminar More information to come
<b>FUTURE SEMINARS TO BE SCHEDULED IN EAST ASIA</b>		
Tokyo, Japan	Jan. 23, 2009 (tentative)	FOUNDATION Fieldbus End User Seminar More information to come
Korea	To be determined	To be determined

Click [here](#) for a complete list of events.

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**Fieldbus Center offers certified fieldbus training courses**

Fieldbus Foundation-certified courses are now available at the Fieldbus Center at Lee College. All classes at the licensed fieldbus training site in Baytown, Texas, USA are taught by veteran instructors with years of field experience in instrumentation. One-day courses require no previous experience with digital control systems. Courses include:



- "Fieldbus for Sales Professionals," a basic introduction from a salesperson's point of view;
- "Fieldbus for Power and Wire Installers," which includes information on wiring, isolating, shielding, and grounding fieldbus device segments from commissioning to startup;
- "Fieldbus Applications 201 and 401," which offer in-depth information about fieldbus technology; and
- "Fieldbus Applications 401," which includes hands-on labs.

Fieldbus Center courses offer a vendor-neutral perspective on key aspects of fieldbus technology, but can be customized to highlight specific supplier solutions or product features. Classes are taught in the school's state-of-the-art classroom or may be scheduled at a company's facilities.

COURSE	DATE	LENGTH/FEE
Fieldbus Applications 101: Introduction to Fieldbus	November 17, 2008	One day/\$575
Fieldbus Applications 102: Fieldbus for Sales Professionals	July 7, 2008	One day/\$575
	October 20, 2008	
Fieldbus for Power and Wire Installers	June 19, 2008	One day/\$575
	July 21, 2008	
	October 21, 2008	
	November 18, 2008	
Fieldbus Applications 201	July 28-29, 2008	Two days/\$1,495
	October 22-23, 2008	
	November 19-20, 2008	
Fieldbus Applications 401	June 2-6, 2008	Four and a half days/\$2,875
	July 14-18, 2008	
	September 15-19, 2008	
	October 27-31, 2008	
	December 15-19, 2008	

For more information, phone 1-832-556-4446 or visit the [Fieldbus Center Website](#).

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## ARC Forum: Learn to optimize asset lifecycle performance

Asset-intensive organizations suffer staggering losses each year as a result of poor asset information management. Fast access to complete, accurate information is the foundation for operational excellence in asset lifecycle management.

Find out how your peers have implemented best-in-class programs at ARC Advisory Group's Asset Lifecycle Management Forum: Optimize Asset Lifecycle Performance through Better Asset Information Management, Oct. 13-15, in Houston, TX.

To register, visit the ARC [Website](#). Indicate that you are with an industry association to obtain a 10% discount.

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## TECHNOLOGY NEWS

### Fieldbus Forums: Powerful resource for foundation members

*Fieldbus Forums* provides additional support for Fieldbus Foundation members through a developer forum, information about active working groups, product testing kits, technical notes, application notes, and a list of standard unit codes. Members can also learn about the latest technical information and access preliminary and new specifications. Subscribe now to *Fieldbus Forums*.



Register today for *Fieldbus Forums* at the *Fieldbus Foundation Website*.

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## END USER INFORMATION

### Emerson will digitally automate two new glass plants in China

An Emerson Process Management project will be the first to incorporate plant-wide use of FOUNDATION fieldbus in China's glass industry.

Emerson Process Management was selected by the Zhejiang Changxing Glass Co. Ltd. and the Zhejiang Pinghu Glass Co. Ltd. to engineer and install PlantWeb digital architecture with DeltaV automation systems and Emerson's intelligent field devices in new glass plants in the Zhejiang Province.



Emerson's DeltaV digital automation systems will power the Smart Plant operation with the most advanced automation technology in the glass industry. In addition to achieving installation savings, the PlantWeb architecture with FOUNDATION fieldbus is expected to improve product output and quality through digital reliability and functionality, highly accurate measurements, and advanced diagnostics from the intelligent field devices.

Zhejiang Changxing Glass is investing RMB 800 million (\$115 million USD) in its new plant, which began operation in March, 2008. The plant's designed capacity of 450 tons per day of float glass is intended to meet the rising demand for building materials created by China's ongoing construction boom. The Zhejiang Pinghu plant is expected to produce 500 tons of ultra-thin glass per day, starting this month (June 2008), from a total investment of RMB 600 (\$86 million USD). Ultra-thin glass is used for LEDs and other electronics applications.

To learn more about the project, visit the Emerson [Website](#).

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## PRODUCTS & SOLUTIONS

### MooreHawke Trunksafe system guards against single-point failures

Trunksafe Fault-Tolerant Fieldbus System from MooreHawke, a division of Moore Industries-International Inc., provides a cost-effective, highly reliable strategy to maintain FOUNDATION fieldbus communications between the DCS and field devices without interruption should a single-point failure, such as an open-circuit or short-circuit, occur. Delivering a complete fault-tolerant fieldbus physical layer, Trunksafe consists of two redundant fieldbus dc power conditioners and a specially engineered device coupler that together provide a secure fieldbus physical layer.



Trunksafe:

- Maintains all process and diagnostic communications without interruption, even if the network cable is broken or shorted;
- Is compatible with FOUNDATION fieldbus H1 networks and devices without hardware or software changes; and
- Includes physical layer diagnostics that monitor and report open- and short-circuits, dc power status, and segment noise.

The product is the latest addition to the MooreHawke line of fieldbus interface solutions, which include Trunkguard Fieldbus device couplers and power supplies designed for general purpose, non-incendive (Class 1, Div. 1), Zone 1 and Zone 2 areas; and Routemaster Fieldbus System for intrinsically safe (IS) applications. MooreHawke products are supported through the Moore Industries worldwide network of Interface Solution Centers.

For more information, visit the MooreHawke [Website](#).

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### NI PAC, NI-FBus products help build high-performance industrial systems

National Instruments PXI (NI PXI), a member of the NI PAC (programmable automation controller) family, is an open, rugged PC-based platform for test, measurement, and control based on CompactPCI architecture.



NI PXI provides the industry's highest bandwidth and lowest latency, reports the manufacturer. This PC-based platform supports both Microsoft Windows and real-time applications. It is easy to use, especially for users already familiar with common PC software applications. With a wide range of support from CompactPCI and NI PXI plug-in and third-party modules, NI PXI is ideal for building middle- or large-scale applications.

Through NI LabView software, NI PXI can be integrated into FOUNDATION fieldbus applications to realize advanced functions. Use NI PXI to construct applications for vision-guided motion control, high-precision monitoring, and advanced data processing. Use NI-FBus hardware and software products to configure and communicate with FOUNDATION fieldbus networks. NI LabView can also be used to help these two systems interact with each other.

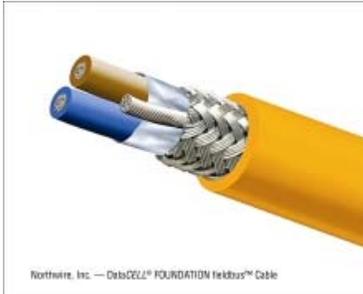
For more information, email [fieldbus.support@ni.com](mailto:fieldbus.support@ni.com) or visit the NI PXI [Website](#).

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### Northwire cable designed for rugged industrial networks

DataCell FOUNDATION fieldbus cable from Northwire Inc., a leading manufacturer of cable for industrial networking, is designed for H1 networks in rugged plant environments using networked process automation and control.

Northwire's FOUNDATION fieldbus network cables are easy to strip. Their rating for ITC/PLTC exposed run (ER) applications is standard, allowing users to eliminate conduit when the cable is installed in accordance with recent National Electrical Code (NEC) amendments. The NEC now permits exposed-runs of certain ITC/PLTC. Metal-clad cable or conduit is no longer required, resulting in significant material and installation cost savings.



Northwire, Inc. — DataCELL® FOUNDATION fieldbus™ Cable

Northwire's FOUNDATION fieldbus cable is said to be among the most complete line available, and includes marine-shipboard and arctic grade extreme types suitable for applications to -60 deg C. The cables meet or exceed new FF-844 specifications for Type A and are approved for use in Classes I & II, Div. 2 hazardous locations. They are also UL-listed ITC/PLTC-ER and CSA CMX-Outdoor-CMG.

DataCell comes in 16- and 18-AWG single- and multi-pair cables with alternate colors and shielding and grounding options. Single-pair cable ships in 15 days from stock direct from the factory with no minimums. Complimentary samples are available.

To obtain a sample or for more information, visit the Northwire [Website](#) or call 1-877-210-9945.

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### R. Stahl adapters make fieldbus barriers hot swappable in explosive atmospheres

The miniClix Ex plug connector system from R. Stahl now features Y-adapters for the quick and comfortable routing of two cables to one plug or socket with hot plug functionality in explosive atmospheres. The fieldbus barrier—or power trunk—concept has proven to be a most effective and powerful solution over the last few years for fieldbus installations in explosive atmospheres.



When a non-intrinsically safe trunk is used, enough energy is available to power a maximum of 16 intrinsically safe/FISCO field devices on one segment. Modern Zone 1 fieldbus barriers like the R. Stahl Field Device Coupler 9411 can connect up to eight IS field devices per barrier to the power trunk. But what happens if one of these barriers fails and must be replaced? Because the trunk connection is Ex e (increased safety) protected, no hot swapping/plugging in Zone 1 is permitted. Users may need to shut down the entire segment, which may, in turn, lead to a costly plant shutdown.

Type 8592 miniClix Y-adapters are certified for hot plug of non-intrinsically safe signals, such as the trunk cable of a fieldbus barrier installation. Using miniClix connectors and Y-adapters at the trunk connection of a fieldbus barrier allows each barrier to be safely and easily unplugged during operation in explosive atmospheres without interrupting the segment and or needing any special hot-work permit.

This solution combines the effectiveness of the power trunk principle with the hot swap convenience of intrinsic safety. The miniClix connectors also allow for converting Ex d field devices into "plug and play" versions, making all fieldbus devices hot-swappable.

For more information, visit the R. Stahl [Website](#).

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### Rockwell Automation sets dates for user group, Automation Fair

Rockwell Automation will hold two process learning experiences in the same place in the same week! The company's Process Solutions User Group (PSUG) will take place Nov. 17-18, 2008, and be followed by its Automation Fair, Nov. 19-20, 2008. Both events will occur at the Gaylord Opryland Complex in Nashville, TN.



PSUG, an annual process event, will facilitate peer-to-peer exchange and provide an environment in which attendees can hear innovative ideas and best practices, seek solutions, and listen to customers talk about applications in diverse industries. The event is directed at plant and information managers, process control engineers, production operations personnel, operations and engineering vice presidents, and directors of quality and reliability.

Automation Fair is a premier industry event focused on advanced process automation products, integrated control and information architecture, and valued-add services and solutions. It includes targeted process industry forums and labs that provide what is called "a fantastic educational experience for professionals at all levels". The program includes more than 50 technical sessions, 20 hands-on labs, and six focused industry forums. More than 100 [Rockwell Automation Partner](#) companies are expected to display their latest innovations and products.

Find out more about both of the upcoming events by visiting the [Rockwell Automation Website](#).

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### Smar online asset management system boosts efficiency

AssetView online, network-enabled plant asset management system from Smar is the first to be designed according to the NAMUR NE91 standard and to take full advantage of powerful FOUNDATION fieldbus, HART, and Profibus diagnostics, the company reports.



A key component of Smar's System302-7 enterprise automation solution, AssetView enables process plants to manage the health and performance of field instrumentation and controls better. Unlike traditional "offline" enterprise asset management software that uses manually-entered data to track work orders and costs for plant inventories, the AssetView system gives plant personnel the information they need to perform tasks more efficiently. It simplifies assessment of instrument condition, allowing maintenance technicians to make better decisions about the action that needs to be taken.

More than a standard asset management tool, AssetView benefits from the interoperability of Smar's industry-leading fieldbus solution and uses available parameter information from FOUNDATION fieldbus, HART, or Profibus devices—regardless of their make or model—to help eliminate the constraints of plant-wide integration while protecting the user's installed investment.

Featuring a user-friendly, browser-based interface, AssetView provides continuous, online access to intelligent field devices, and enables technicians to perform diagnostic and maintenance functions, including calibration, device monitoring, device parameterization, valve diagnostic and performance evaluation, loop tests, documentation, and operator audits.

Find more details on the AssetView system, visit the [Smar Website](#).

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