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Fieldbus Facts Online

Your Global Source for FOUNDATION™ Technology News

September 2011

Fieldbus Facts Online is brought to you by the Fieldbus Foundation, an international, not-for-profit corporation consisting of industry leaders dedicated to providing the "Freedom to Choose" and the "Power to Integrate."

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Foundation Briefs

FOUNDATION-for-ROM technology to debut at Lee College media day



Fieldbus Foundation will unveil its FOUNDATION for Remote Operations Management (ROM) technology at an automation industry media day Dec. 1 at Lee College, Baytown, TX.

FOUNDATION-for-ROM provides a wireless and wired infrastructure for remote assets and applications, integrating wired infrastructure, remote I/O, ISA100.11a, and *WirelessHART*® and providing users with direct access to device information and diagnostics. FOUNDATION-for-ROM is aimed at applications such as pipeline SCADA, tank farms and terminals, and offshore platform automation. ROM is one of the fastest growing process automation fields; FOUNDATION for ROM is well positioned to help users accelerate next-generation ROM strategies.

The media day will include a demonstration of the foundation's progress on the specification. The foundation will also conduct a tour of the college's fieldbus training center, a Foundation Certified Training Program (FCTP) partner location and one of the largest and best-equipped fieldbus labs in the world. Lee College is training the next generation of process automation operators and technicians.

Manufacturers and media outlets interested in participating in this project and event should contact the [Fieldbus Foundation marketing department](#).

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Two more companies join Fieldbus Foundation

The Fieldbus Foundation welcomes its two newest members: Teldor Cables & Systems Ltd. and Sindutch Cable Mfg. Sdn Bhd. The companies join a growing list of control system manufacturers, device developers, system integrators, training institutes, and industrial organizations around the world who are working to advance FOUNDATION technology.

- **Teldor Cables & Systems Ltd.** manufactures a wide range of wires and cables for telecommunications, electronics, and electricity, and is a leader in the design and production of high data-rate copper and optical LAN cables, industrial BUS, instrumentation, and control cables. The company established its factory in 1966 at Kibbutz Ein-Do, in the Lower Galilee area of Israel. Teldor currently offers rugged H1 (31.25 kbit/s) fieldbus cables for FOUNDATION technology installations.



To learn more about **Teldor**, visit the company [website](#).

- **Sindutch Cable Manufacturer Sdn Bhd (SCMM)**, based in Melaka, Malaysia, develops, produces, and sells low-voltage, power, and instrumentation cable for the residential and non-residential construction sectors. The company intends to develop FOUNDATION fieldbus cable products for key markets, including petrochemicals and oil and gas. It is a subsidiary of Draka Holding, headquartered in Amsterdam, The Netherlands.



To learn more about **Sindutch**, visit the company [website](#).

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Fieldbus Foundation offers free FOUNDATION fieldbus salesforce training



The Fieldbus Foundation is presenting a series of free, half-day FOUNDATION technology salesforce training seminars in 2011 intended especially for industrial automation salespeople, system integrators, and manufacturer representatives. The events are being held in conjunction with the foundation's end-user seminar program across North America.

Designed to provide a greater understanding of the operational improvements and business benefits delivered by the FOUNDATION automation infrastructure, the seminars are presented by leading experts in fieldbus technology. Content is vendor-neutral, addressing key topics of interest for salespeople involved with control and instrumentation products. In particular, the seminars aim to dispel myths about FOUNDATION technology and provide facts and data upon which salespeople can rely.

The comprehensive half-day seminars are ideal for busy professionals seeking to expand their knowledge of FOUNDATION technology and learn more about its business value proposition in a wide range of industrial markets. FOUNDATION technology is being adopted increasingly in migration and modernization projects as well as grassroots facilities and the business value proposition of the technology is more powerful than ever.

The seminar agenda includes:

- 9:00 a.m.: Opening Remarks
- 9:15-10:00 a.m.: Fieldbus Mythbusters
Session discusses separating fieldbus facts from fiction. After 15 years of operation in the field in some of the most rigorous process applications, myths about FOUNDATION technology persist. Leading engineers, experts, and trainers will discuss reality versus myth.
- 10:00-10:15 a.m.: Business Value of FOUNDATION Technology
Presentation describes the evolving FOUNDATION technology roadmap and how it can address many critical issues facing industrial end users today.
- 10:15-10:30 a.m.: Break
- 10:30-11:00 a.m.: Understanding Why Customers Choose Wireless, HART, or Fieldbus
Presentation by a leading end user describes the reasons for choosing FOUNDATION fieldbus and the "bigger picture" value of the technology in a world where justification of capital expenditures can be difficult.
- 11:00-11:30 a.m.: The Importance of Training: "This IS a Digital World"
Session discusses training options for end users and associated best practices.
- 11:30-Noon: The FOUNDATION Fieldbus Sales Playbook

Common end-user objections to implementing FOUNDATION fieldbus are explained. Fieldbus is placed in the context of a total plant solution coexisting with other technologies.

- Noon: Closing Remarks
Salesforce seminar attendees receive a sales "playbook" with electronic copies of presentations, educational material used during the day, and copies of much of the other material used. The resources arm salespeople with in-depth information and show them how to find answers to common questions about FOUNDATION fieldbus.

Salesforce seminars, which coincide with the foundation's 2011 end-user seminars, are scheduled for:

- Ft. McMurray, AB, Canada: Sept. 21
- Detroit, MI: Oct. 12
- Beaumont, TX: Nov. 11

For more information about FOUNDATION technology sales training seminars, visit the Fieldbus Foundation [Events Page](#) on the Fieldbus Foundation [website](#).

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Global News & Events

Fieldbus Foundation will participate in DCS17 in Hungary this fall



The Fieldbus Foundation Central and Eastern European Marketing Committee (FFCEEMC) will be part of the conference program at the upcoming Distributed Control Systems 17 (DCS17) meeting. The symposium will take place Oct. 24-26, 2011, at Hotel Palota, Miskolc-Lillafüred, Hungary.

The extensive three-day program includes half a day dedicated to FOUNDATION technology and highlighted by FFCEEMC presentations addressing the economies of FOUNDATION fieldbus; FOUNDATION fieldbus DART and functional safety; and explosion protection for FOUNDATION fieldbus H1, including an update on the latest solutions such as high power trunk, Ex ic, and DART.

Because of the success of the live FOUNDATION technology demonstrations held at last year's conference, the FFCEEMC team will run them again this year using a newly commissioned demonstration unit. The unit features a FOUNDATION host system with fieldbus devices from different suppliers and will demonstrate aspects of the technology and interoperability.

"I'm delighted that, yet again, such a significant part of the conference program is dedicated to the implementation of FOUNDATION technology," said Jürgen George, chairman of FFCEEMC. "Last year, our live demonstration sessions were over-subscribed and we ran an extra session to cope with the demand. There is a significant level of interest in process control technologies and plant optimization, and ever-increasing project activity within the Eastern European area, and we fully anticipate a high level of interest in our demonstrations again this year. We are looking forward to the University of Miskolc's successful accreditation under the FOUNDATION Certified Training Program (FCTP) and towards a mutually beneficial partnership with the Fieldbus Foundation," he added.

The University of Miskolc reached a significant milestone in its effort to become an accredited training site offering fieldbus training courses certified under the FCTP. It has a license agreement that recognizes the site as a certified training center undergoing the rigorous process of auditing its educational curriculum and instructors to achieve full certified training center status. Once it has successfully completed the accreditation process, the University of Miskolc will become the preferred site for Fieldbus Foundation training in the Central & Eastern European region.

Other sessions at the three-day DCS17 event include keynote speeches; presentations on smart field instrumentation; DCS plans, applications, and connecting systems; and the second International Scientific Workshop. End users and industry experts, including representatives from several Fieldbus Foundation member companies, are among the speakers. In addition, attendees will have access to an exhibition and poster presentations and will be invited to attend several social events.

For more information, visit the Fieldbus Foundation [website](#).

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Chicago to host Rockwell Automation's upcoming Process Solutions User Group

Rockwell Automation's Process Solutions User Group (PSUG) will be held in Chicago this fall. PSUG, scheduled for Nov. 14-15, 2011, gives automation industry professionals the chance to interact with more than 650 attendees

Rockwell Automation

and expand their industry knowledge.

Participants will hear presentations from more than 24 international customers. They will learn how AMC Automation & Control implemented a Rockwell PlantPAX process automation system with FOUNDATION fieldbus technology on an offshore platform, and they will have the opportunity to:

- Attend educational sessions
- Share best practices
- Influence system development priorities
- Network with users from around the world

PSUG visitors can extend their experience by staying for Automation Fair®, which will take place immediately following on Nov. 16-17. This premier industry event focuses on advanced automation technologies; integrated control and information architecture; and a variety of smart, safe, sustainable manufacturing solutions.

For more information or to register for these events, visit the Rockwell Automation [website](#).

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Fieldbus end-user seminars planned throughout the Americas



The Fieldbus Foundation is offering a variety of FOUNDATION fieldbus end-user seminars in the Americas in 2011. The program helps process industry end-users understand the operational and economic benefits of the Foundation Automation Infrastructure.

Dates and locations for remaining 2011 seminars are:

- Ft. McMurray, AB, Canada: Sept. 22
- Detroit, MI, USA: Oct. 11
- Corpus Christi, TX, USA: Nov. 7
- Baton Rouge, LA, USA: Nov. 9
- Beaumont, TX, USA: Nov. 10
- Mexico City, Mexico: Nov. 10

Directed at process control end users and engineering firms, the one-day seminars cover all aspects of Foundation automation infrastructure management. Topics addressed include core technologies such as Open, Scalable Integration/Segment Design & Layout; Process Integrity/Safety Integrity Levels (SIL) and Safety Instrumented Functions (SIF); and Business Intelligence/Maintenance & Troubleshooting. Each area is discussed in detail for 45 min. to an hour. A 15 to 20 min. hands-on demonstration follows immediately to reinforce the subject. Discussions of more recent advances such as Field Diagnostics, Control in the Field, and Wireless are also included, and end-users will also present case studies about fieldbus applications. The seminars conclude with a demonstration of Electronic Device Description Language (EDDL) technology.

Each participant receives a certificate that can be used for PDH hours and hard copies of presentation materials. Lunch is provided.

For more information about 2011 end-user seminars in the Americas, visit the Global Events page on the Fieldbus Foundation [website](#).

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Remaining months of 2011 offer diverse educational events worldwide

The Fieldbus Foundation will be holding informational and educational events around the world in the remaining months of 2011. Make plans now to attend an event in your area.

LOCATION	DATE	EVENT and CONTACT INFORMATION
EVENTS IN THE AMERICAS		
Ft. McMurray, Alberta,	Sept. 21, 2011	FOUNDATION Fieldbus Sales Force Training

Canada		Click here for more information
Ft. McMurray, Alberta, Canada	Sept. 22, 2011	FOUNDATION Fieldbus End User Seminar Click here for more information
Detroit, Michigan, USA	Oct. 11, 2011	FOUNDATION Fieldbus End User Seminar Click here for more information
Detroit, Michigan, USA	Oct. 12, 2011	FOUNDATION Fieldbus Sales Force Training Click here for more information
Corpus Christi, Texas, USA	Nov. 7, 2011	FOUNDATION Fieldbus End User Seminar Click here for more information
Baton Rouge, Louisiana, USA	Nov. 9, 2011	FOUNDATION Fieldbus End User Seminar Click here for more information
Beaumont, Texas, USA	Nov. 10, 2011	FOUNDATION Fieldbus End User Seminar Click here for more information
Beaumont, Texas, USA	Nov. 11, 2011	FOUNDATION Fieldbus Sales Force Training Click here for more information
Mexico City, Mexico	Nov. 10, 2011	FOUNDATION Fieldbus End User Seminar Click here for more information
Austin, Texas, USA	Nov. 15, 2011	Developer Training—Introduction to FOUNDATION Fieldbus Click here for more information
Austin, Texas, USA	Nov. 16-18, 2011	Developer Training—Advanced Principles of FOUNDATION Fieldbus Click here for more information

EVENTS IN EMEA (EUROPE, MIDDLE-EAST, AFRICA)

Frankfurt, Germany	Sept. 21-23, 2011	Developer Training—Advanced Principles of FOUNDATION Fieldbus Click here for more information
Linz, Austria	Oct. 4-6, 2011	FOUNDATION Fieldbus Presentation, SMART Automation Click here for more information
Vanderbiljpark, South Africa	Oct. 20, 2011	CONTROL Roadshow Click here for more information
University of Miskolc, Lillafüred, Hungary	Oct. 24-26, 2011	DCS17 Conference Click here for more information
Plock, Poland	Nov. 9, 2011	FOUNDATION Fieldbus Live Roadshow & Demonstration More information to come
STC Brielle, Rotterdam, The Netherlands	Nov. 10, 2011	FOUNDATION Fieldbus End User Conference Click here for more information
Milan, Italy	Nov. 24, 2011	Participation in mcT Petrochemical Technology Trade Day More information to come
Catania, Italy	Nov. 29, 2011	Participation in mcT Petrochemical Afternoon Forum More information to come
Abu Dhabi, UAE	Dec. 12-13, 2011	Multaqa Middle East FOUNDATION Fieldbus End User Conference More information to come

EVENTS IN ASIA/PACIFIC

Mumbai, India	Sept. 20-23, 2011	Automation 2011 Exhibition More information to come
Seoul, Korea	October 2011	FOUNDATION Fieldbus End User Seminar More information to come
Shanghai, China	Oct. 20, 2011	FOUNDATION Fieldbus End User Seminar More information to come
Tokyo, Japan	Nov. 16-18,	JEMIMA Exhibition

	2011	More information to come
Rayong, Thailand	November 2011	FOUNDATION Fieldbus End User Seminar More information to come
Kuala Lumpur, Malaysia	November 2011	FOUNDATION Fieldbus End User Seminar More information to come
Jakarta, Indonesia	December 2011	FOUNDATION Fieldbus End User Seminar More information to come
Australia	To be determined	FOUNDATION Fieldbus End User Seminar More information to come

For details on these events, visit the Fieldbus Foundation [website](#).

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Technology News

List of registered FOUNDATION fieldbus products continues to grow



A growing number of FOUNDATION fieldbus products from all segments of the automation market are being registered by the Fieldbus Foundation. The Fieldbus Foundation is one of the only automation industry organizations with a registration program requiring mandatory testing of critical elements of its technology. The effort encompasses FOUNDATION fieldbus host systems and field devices, as well as physical layer components such as power supplies and device couplers.

The latest registered products are shown in the table. They are listed by manufacturer, type, and model.

New and Updated Registered Hosts		
Manufacturer	Type	Model
Honeywell Process Solutions	Class 61a Integrated Host	Experion PKS
New and Updated Registered H1 Devices		
Manufacturer	Type	Model
ABB Automation Products GmbH	Multivariable Pressure Transmitter	2600T Series - 266Cxx / 266Jxx
KROHNE Messtechnik	Electromagnetic Flowmeter	IFC100
Dresser Valve Division	Valve Positioner	FVP
Emerson Process Management	Temperature Transmitter	848T
R. STAHL SCHALTGERATE GMBH	Diagnosis Communications Module	DCM9415
VEGA Grieshaber KG	Radar Level Transmitter	Vegapuls 61
VEGA Grieshaber KG	Radar Level Transmitter	Vegapuls WL 61
VEGA Grieshaber KG	Radar Level Transmitter	Vegapuls 62
VEGA Grieshaber KG	Radar Level Transmitter	Vegapuls 63
VEGA Grieshaber KG	Radar Level Transmitter	Vegapuls 65
VEGA Grieshaber KG	Radar Level Transmitter	Vegapuls 66
VEGA Grieshaber KG	Radar Level Transmitter	Vegapuls 67
VEGA Grieshaber KG	Radar Level Transmitter	Vegapuls 68
VEGA Grieshaber KG	Radar Level Transmitter	Vegapuls SR 68
Yokogawa Electric Corporation	Valve Positioner	YVP
Yokogawa Electric Corporation	Magnetic Flowmeter	ADMAG AXF
Updated Device Description and Capability File		
Manufacturer	Type	Model
ABB Automation Products GmbH	Differential, Gauge, Absolute - Pressure Transmitter	2600T - 266 P-dP
Emerson Process Management	Temperature Transmitter	3144P
K-TEK	Guided Wave Radar Level Transmitter	MT5000
Metso Automation	Digital Valve Positioner	ND9000F
Metso Automation	Digital Valve Positioner	ND9000F
New Registered Cable		
Manufacturer	Type	Model
LEONI Kerpen GmbH	Foundation Fieldbus Cable, FF-844, EN 50288-7, 1.0 mm ² , armoured - 1-36 STP	FB-v2X(St*)Y(armour)Y-fl or FB-v2X(St*)H(armour)H
	Foundation Fieldbus Cable, FF-844, EN 50288-7, 2.5	

LEONI Kerpen GmbH	mm ² , armoured - 1-36 STP	FB-v2X(St*)Y(armour)Y-fl or FB-v2X(St*)H(armour)H
LEONI Kerpen GmbH	Foundation Fieldbus Cable, FF-844, EN 50288-7, 1.5 mm ² , armoured - 1-36 STP	FB-v2X(St*)Y(armour)Y-fl or FB-v2X(St*)H(armour)H
LEONI Kerpen GmbH	Foundation Fieldbus Cable, FF-844, EN 50288-7, 1.0 mm ² , non-armoured - 1-36 STP	FB-v2X(St*)Y-fl or FB-v2X(St*)H
LEONI Kerpen GmbH	Foundation Fieldbus Cable, FF-844, EN 50288-7, 2.5 mm ² , non-armoured - 1-36 STP	FB-v2X(St*)Y-fl or FB-v2X(St*)H
LEONI Kerpen GmbH	Foundation Fieldbus Cable, FF-844, EN 50288-7, 1.5 mm ² , non-armoured - 1-36 STP	FB-v2X(St*)Y-fl or FB-v2X(St*)H

New and Updated Registered Power Supplies, Conditioners, and Couplers

Manufacturer	Type	Model
Cobalt Process	Foundation™ Fieldbus Power Supply	CPS24
Cobalt Process	Foundation™ Fieldbus Device Coupler	CDC8
R. STAHL SCHALTGERATE GMBH	Zone 2 Ex n Field Device Coupler	9410/34
R. STAHL SCHALTGERATE GMBH	Zone 1 Ex e Field Device Coupler (9411/11)	9411/11
	Zone 2 Ex n Field Device Coupler (9411/34)	9411/34

A complete list of registered products may be found on the Fieldbus Foundation [website](#).

To learn more about FOUNDATION fieldbus interoperability, [download "Understanding Host Profile & Testing Registration,"](#) a free whitepaper from the Fieldbus Foundation.

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Products & Solutions

Emerson sanitary pinch valve features automatic operation



The Baumann™ 85000 sanitary pinch valve from Emerson Process Management is intended for low flow rate, low pressure control of sterile liquids in the biotechnical and pharmaceutical industries. The device provides fully automatic operation to eliminate inefficiencies and poor control often found in manually operated pinch valves typically used in these high-value applications.

Its compact, lightweight design includes three major components: a tube shell body that accommodates up to 3/4-in. O.D. pharmaceutical grade tubing, a linear spring-and-diaphragm actuator that responds accurately to controller input, and a Fisher® Fieldvue digital valve controller that yields a high level of operating performance as it maintains valve reliability.

The 85000 pinch valve with the Fieldvue controller provides an installed equal percentage flow characteristic for control accuracy. The digital controller also enables valve diagnostics that monitor the operating health of the valve assembly and give immediate feedback to a plant host system should maintenance be required. When incorporated within the PlantWeb™ digital plant architecture or other process control system, the device facilitates and enhances per-batch and overall process record keeping.

For more information on this product, visit the Emerson [website](#).

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FCI next-generation mass flowmeter includes FOUNDATION fieldbus protocol



The ST100 Series flowmeter for air/gas flow measurement and plant communication from Fluid Components International (FCI) features the FOUNDATION fieldbus protocol. It is the first triple variable flow instrument that measures mass flow, temperature, and pressure. In addition to flow rate and totalized flow and temperature, pressure measurement up to 1000 psi (70 bar) is available. An on-board data logger stores 21 million readings on a removable card.

The ST100 features an industrial-grade thermal dispersion flow sensor and is designed for service in lines from 1 to 100 in. (25 to 2500 mm). The Fieldbus communication protocol can be specified at order or added later. The device includes a graphical LCD with four-button, through-the-glass touch activation for showing measurements and alarm status. A writeable

field allows users to identify sites, gas types, tag numbers, and the like.

The flowmeter has no moving parts to clean and withstands up to 850° F (454° C). It is available with integral or remote electronics (for operation from up to 1,000 ft away). Approvals (submitted/pending) include FM and FMc; Class 1, Division 1, hazardous locations, Groups B, C, D, E, F, G; ATEX and IECEx; Zone 1, II 2 GD Ex d IIC T4. The enclosure is NEMA 4X/IP67 rated.

More information is available on the Fluid Components International [website](#).

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Honeywell high-performance FIM incorporates latest advances

Honeywell's high-performance Fieldbus Interface Modules (FIMs) integrate FOUNDATION fieldbus with the Experion® PKS system completely and transparently. FIMs help provide the benefits users expect from this powerful technology. The new FIM8 represents the latest advances in capacity, cost-effectiveness, and performance.

The modules' high-capacity design delivers system-wide integration of data access, control, connections, diagnostics, and alarms with the Experion® PKS system. FIM8 is a Series C module and shares the characteristics of other Series C components (fit and feel, form factor, mounting, and environmental and agency certifications). The solution includes a new 12-in. IOTA that supports redundant and non-redundant configurations, configuration software, and HMI components.

The FIM8 delivers high density of H1 links in a single module while providing maximum availability through an optional redundancy feature, allowing Honeywell to provide a best-in-class solution for FOUNDATION fieldbus that greatly reduces total installed cost.

For more information, visit the Honeywell [website](#).

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Foxboro FDM maximizes uptime, performance

With Invensys' comprehensive, fully integrated engineering and maintenance environment, users can configure, commission, maintain, and diagnose fieldbus devices throughout their lifecycle. The Foxboro Field Device Manager (FDM) user interface with its diagnostic capabilities provides the means to increase uptime and performance while significantly lowering maintenance costs.

A truly open technology, FDM is interoperable with any device from any vendor with any protocol. With Foxboro interoperability and "anybus" capabilities, the user can maintain preferences because the system adapts to user choices!

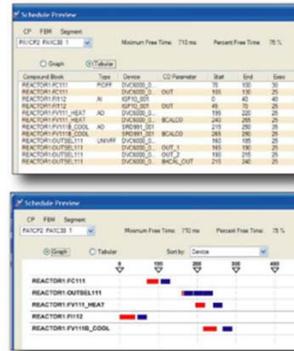
With unmatched device configuration, commissioning, and diagnostic support, FDM is the first to offer support for FDT and Enhanced EDDL, two technologies enabling device vendors to program device configuration and maintenance content for the host system. This capability simplifies configuration, commissioning, and maintenance, including advanced diagnostics to optimize field devices.

To simplify engineering and increase productivity, the device features reusable engineering through customizable templates for each model. A commissioning wizard automates the steps of device commissioning, making it easy to replace a failed device.

To eliminate maintenance waste and reduce downtime, the FDM's predictive device maintenance approaches help spot problems before they become severe and in time to plan corrective action without downtime.

For more information, visit the Invensys [website](#).

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Microcyber OEM solution speeds Fieldbus device upgrades



With Microcyber's Fieldbus OEM Solution, users can upgrade FOUNDATION fieldbus devices quickly and easily. The newly designed FOUNDATION fieldbus H1 communication boards are customized to meet specific requirements, allowing the upgrade of traditional instruments to FOUNDATION fieldbus devices quickly. The boards include a stack, function blocks, communication circuit, and interface circuit.

Microcyber also provides technical support during FOUNDATION fieldbus registration and integration testing with a variety of DCS systems. FOUNDATION fieldbus interoperability test kit (ITK) pre-tests also are available.

Case studies and datasheets that describe the Fieldbus OEM solution are available. Learn more by

visiting the Microcyber [website](#).

MooreHawke line card covers full line of fieldbus physical layer devices

MooreHawke's Fieldbus Solutions Line Card describes the company's complete line of fieldbus physical layer devices that allow fieldbus networks to be connected, protected, powered, and terminated simply and easily.

Included is **Trunksafe Fault-Tolerant Fieldbus System**, the company's industry-first redundant fieldbus physical layer. It provides a cost-effective, highly reliable strategy to maintain continuous communications between field devices and a DCS in the event of any single point failure (such as an open- or short-circuit) on a fieldbus segment.

Trunkguard device couplers are among the first to provide patented automatic segment termination and have the added advantage of fully auto-resetting spur short circuit protection. They enable fast and easy implementation of fieldbus systems by connecting multiple devices to a main fieldbus trunk.

Route-Master Fieldbus System uses a patented split-architecture design to deliver the highest per segment current—350mA—to a hazardous area of any intrinsically-safe fieldbus system. The ATEX-approved version can be installed in IIB and IIC areas connecting FISCO or Entity devices.

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

MOORE HAWKE
FIELD BUS WORLDWIDE

FOUNDATION Fieldbus™ and PROFIBUS PA Device Couplers and Power Supplies

Connect, Protect, Power and Terminate.
We've Got You Covered.

TRUNKGUARD™
Fieldbus Power Supplies and Device Couplers
(General Purpose and Hazardous Installations)

TRUNKSAFE™
Fault Tolerant Fieldbus System
(General Purpose and Hazardous Installations)

ROUTE-MASTER™
Fieldbus Power Supplies and Device Couplers
(Intrinsically Safe Installations)

Fieldbus Device Couplers

Fieldbus Power Supplies

Host

Fieldbus Device Couplers and Power Supplies deliver a fast and easy way to connect, protect, power and terminate multiple fieldbus devices in FOUNDATION fieldbus™ and PROFIBUS PA segments.

The Interface Solution Experts • www.mininet.com

MTL unifies products under new 'FieldPlus' platform



MTL Instruments, a leading provider of physical layer components for FOUNDATION fieldbus networks who is known for innovative, highly reliable products and world-class technical support, is unifying its product range under the new banner: "FieldPlus." Unifying the brand in this way brings together an extensive range of Fieldbus products under one entity, enabling customers to easily recognize a

suite of products designed with the industrial networks values of safety, reliability, availability and security. *FieldPlus* includes a complete range of power supplies, surge protection devices, Ex enclosures, and wiring components for fieldbus installations in a variety of process industry applications.

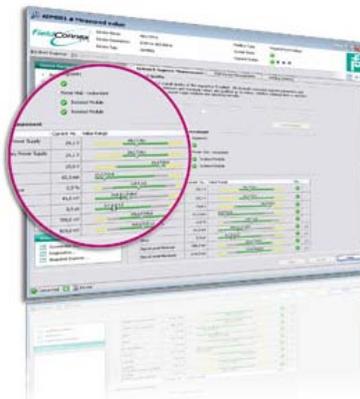
The *FieldPlus* product platform brings together technical features and benefits that differentiate MTL products, providing solutions and benefits to customers regardless of the Fieldbus application being implemented. Whether the customer need--from a high availability, high safety Fieldbus solution such as Redundant FISCO to advanced diagnostics with the latest technology in human centered design through to extended segment lengths with high powered devices served by the unique Fieldbus Barrier, FieldPlus satisfies every Fieldbus demand.

For details on how to configure your next fieldbus project, visit MTL's new dedicated FieldPlus product platform [website](#).

Pepperl+Fuchs updated ADM facilitates commissioning, troubleshooting

The newest version of Pepperl+Fuchs' Advanced Diagnostic Module DTM software includes Advanced Diagnostic Modules (ADMs) to monitor the quality of communication for FOUNDATION fieldbus H1 and Profibus PA networks, and Diagnostic Manager software, which includes numerous updates to dramatically speed fieldbus commissioning and take the guesswork out of troubleshooting. The smart software tool translates information provided by the ADM into actionable information and can run on a server located directly in the control room, turning the complete fieldbus infrastructure into an open book that can be read without expert knowledge.

"The most significant improvement to the new Diagnostic Manager is a built-in expert system that automatically learns the communications behavior of a segment during commissioning, and over time, is able to intelligently diagnose any situation on the basis of past experience," said Brian Traczyk, product manager, Pepperl+Fuchs. "As a result, users are provided with specific warnings as soon as the software detects any condition that might lead to a critical situation. Such warnings are complemented by incident-related information in clear text that points to possible causes and recommends



remedies.”

This information helps field technicians determine what needs to be done before they arrive on site. They no longer face the sometimes-time-consuming task of searching for the actual cause of a problem. Time spent troubleshooting is minimized, plant shutdowns often may be avoided, and the availability of the complete system is improved considerably.

For more information, visit the [Pepperl+Fuchs website](#).

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R. Stahl DCM takes physical layer diagnostics to the next level

The new Diagnosis Communication Module (DCM) from R. Stahl completes the scalable diagnostics concept: Advanced physical layer measurement integrated in all the standard Fieldbus power supplies, additional pro-active alarming functions in the advanced Fieldbus power supplies, and now online diagnostics access via the H1 network and EDD technology. The DCM also is the first physical layer diagnostics device supporting the new alarm events from FF-912. Different alarms can be sent to hosts without any cyclic bus load and macro cycle influence, in accordance with NAMUR NE107 recommendation. For hosts without the support of this diagnostics alarms functionality, alarming can be handled via simple DI function blocks.

The DCM reads the most important physical layer values such as jitter, noise, signal level, and unbalance of up to eight segments and transfers this information to host and asset management systems over one of the installed H1 segments. Alarm and pre-alarm messages can be configured with an EDD, and detailed information about the physical layer values from segments and Fieldbus devices is obtained by transducer blocks.

Registered by the Fieldbus Foundation, the DCM operates as a standard FOUNDATION fieldbus device engineered without any additional software tools or proprietary network structures. The DCM is installed with Fieldbus power supplies in bus-carriers available for eight simplex and four or eight redundant segments.

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

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Rockwell Automation's RSFieldbus solution simplifies device connections

Rockwell Automation Rockwell Automation's RSFieldbus solution facilitates remote setup, configuration, operation, and maintenance of FOUNDATION fieldbus devices, networks, and systems as a part of a PlantPAX system architecture. RSFieldbus v2.05 is a versatile, full-function graphical configuration environment that simplifies connecting an automation system to intelligent devices. With RSFieldbus, device configuration can be performed offline, without physical instruments, and online for complete monitoring and instant access to modify devices and control configurations.

New functionality of RSFieldbus v2.05 includes:

- Copy/paste function blocks
- Upload function blocks and function block parameter values
- Multiple capability levels
- Support for Device Description Version 5.x
- Support for Microsoft Windows 7
- Support for FactoryTalk activation

For more information, visit the [Rockwell Automation website](#).

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Yokogawa integrated production control system meets field digital needs

Centum® VP integrated production control system, release 5, Yokogawa Electric Corporation's flagship product and a cornerstone of the VigilantPlant® concept, strives to help customers realize the ideal plant.

Field digital technology has been introduced in many industries and is contributing to the reduction of the need for field wiring. An efficient maintenance scheme with advances in field digital technology is now one of the important factors for highly available and productive plant operation. Control systems must be capable of handling a massive amount of field data at comfortable speeds.



Centum VP, release 5, contains a number of new features, including a new field control station (FCS) that can fully satisfy such needs in the field digital era. Considered a key development of the release, the FCS demonstrates its powerful capabilities by improving the use of plant information and reducing lifecycle costs with simplified engineering.

For more information, visit the Yokogawa [website](#).

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9005 Mountain Ridge Drive, Bowie Building – Suite 200, Austin, Texas 78759-5316 USA

Tel: 512.794.8890 • Fax: 512.794.8893 • E-mail: info@fieldbus.org

www.fieldbus.org

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