FIELDCOMM GROUP™
Connecting the World of
Process Automation

FIELD COMMUNICATION INSIDER

NEWS YOU CAN USE

Jan. 28, 2016

Field Communication Insider is an e-newsletter featuring the latest news and developments in the application of HART, FOUNDATION Fieldbus and FDI technology around the world.

TRUNKSAFE Fault-Tolerant Fieldbus System

Trunksafe Fault-Tolerant Fieldbus System from MooreHawke, a division of Moore Industries-International Inc., provides a cost-effective, highly reliable strategy for maintaining FOUNDATION Fieldbus communications between the fieldbus host and field devices without interruption in the event of a single-point failure such as an open-circuit or short circuit. Trunksafe consists of two redundant fieldbus dc power supplies and a specially engineered device coupler to provide a secure fieldbus physical layer. **Learn more.**

NEWS

Highlights from the FieldComm Group 2015 General Assembly
The conference showcased developments and applications for digital automation and intelligent device technology. It also focused on the outlook for harmonizing standards for the process automation industry. **Read more.**

ABB's Schulz named FieldComm Group chairman
FieldComm Group has named Thoralf Schulz, Global Technology Manager, Control Technologies in Process Automation, ABB, as the new chairman of its board of directors. **Read more.**

Newest FieldComm Group members: H&B Sensors, CMAM and Smart Network System Institute
H&B Sensors, Chengdu Michael Anderson Measuring Co., Ltd. (CMAM) and Smart Network System Institute are the newest additions to FieldComm Group. **Read more.**

Developer workshops prepare product teams for innovative solutions
If you are developing a product or tool, it is important to receive training from recognized domain knowledge experts. **Read more.**

PRODUCTS

New product news you might be interested in:

- Azbil announces Smart ESD* Device for SIS applications
- Endress+Hauser Field Xpert & RFID Tags: Optimize the maintenance process
- Endress+Hauser iTemp TMT82: Reliable, accurate, SIL 2/3 certified
- Endress+Hauser commissioning wizard: Guided, interactive, simple
- Meggitt offers HART-enabled vibration sensors
- Microcyber's *Wireless*HART solution is all you need!

Latest registered FOUNDATION Fieldbus and HART products

The number of FOUNDATION Fieldbus and HART products registered by the FieldComm Group continues to grow. **Read more.**

CALENDAR

POWER-GEN attendees learn about digital device integration

FieldComm Group exhibited intelligent device integration technologies at POWER-GEN International and provided attendees a hands-on look at a broad spectrum of solutions employing FOUNDATION™ Fieldbus, HART®, HART-IP™, WirelessHART® and the Field Device Integration (FDI®) standard. **Read more.**

Americas
2016 events to be announced soon
More information

Europe, Middle East, Africa (EMEA)
2016 events to be announced soon
More information

Asia-Pacific
2016 events to be announced soon
More information

Oceania
2016 events to be announced soon
More information

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Highlights from the FieldComm Group 2015 General Assembly

At the conference, attendees learned developments and applications for digital automation and intelligent device technology, and discussed the outlook for harmonizing standards for the process automation industry

By FielComm Group

FieldComm Group held its 2015 General Assembly at the Hotel InterContinental Tokyo Bay in Tokyo, Japan, on December 2-4. The event showcased current developments and applications for digital automation and intelligent device technology, as well as the outlook for harmonization of standards for the process automation industry.

The General Assembly was held in conjunction with the Measurement and Control (JEMIMA) show, organized by the Japan Electric Measuring Instruments Manufacturers' Association. Measurement & Control is the largest automation industry gathering in Japan. Among the key highlights of this year's exhibition were evolving solutions for "connectivity" and the changing the face of the measurement and control business to meet evolving customer needs.

As FieldComm Group's first annual global meeting (the organization was formed last year through the combining of the Fieldbus Foundation and HART Communication Foundation), the General Assembly provided an update on FOUNDATION™ Fieldbus, HART®, HART-IP™ and *Wireless*HART® technologies, as well as Field Device Integration (FDI®). It also included presentations by leading manufacturers and other industrial firms that have installed these solutions in their operations.

FieldComm Group President and CEO Ted Masters commented, "FieldComm Group's inaugural General Assembly was a major success. We were very pleased with the large turnout of industrial firms from across the Asia-Pacific region, and appreciated the valuable contributions made by presenters, sponsors and other stakeholders interested in the future of process automation."

Masters added, "Our 2015 General Assembly highlighted the advantages of FieldComm Group technologies for optimizing plant productivity, improving asset management and reliability, and reducing capital and operating costs. These technologies are advancing to keep pace with the demands of the process industries."

Staged by the FieldComm Group Asia-Pacific Organization, an end user forum and technology display attracting several hundred participants offered an opportunity to share best practices for FOUNDATION Fieldbus and HART installations. Presentations focused on strategies for realizing more value from the data these protocols enable to improve the performance of process operations. Attendees also had an opportunity to view products and solutions from leading automation suppliers.

End user forum presenters included: John Rezabek, Ashland Chemical ("Internet of Things for Process Control"), Satoru Nunokawa, Mitsubishi Chemical Holding Group ("Field Intelligence in the Chemical Industry"), and Rong Gul, Shell Global Solutions ("Improved Commissioning Procedures at Shell Support On-going Proactive Maintenance").

According to Rezabek, the process industries have had "intelligent" devices and methods to monitor them for near 20 years, and yet, users are challenged to discern useful information. "'Big Data' can lend some valuable insights, but human know-how, thoughts and experience are still essential," he said. "Increasingly capable networks and services are critical, but standards to channel their application for process control are also a must."

Rezabek noted that companies involved with FieldComm Group technologies are supporters of open standards that serve the priorities of "real" end users, including plant operators, process specialists, company management and the enterprise.

Nunokawa examined the challenges faced by hydrocarbon processing firms to become more agile and implement "made-to-order" manufacturing business models in a competitive business environment. In his view, petroleum producers are dealing with increasing complexity in production and enterprise management, rising safety and security concerns, human resource issues, diversified asset portfolios, and growing data overflow.

Nunokawa believes greater utilization of field intelligence through digital device protocols and the IIoT will provide significant benefits throughout the automation lifecycle. In addition to improved process stability and safety, these include CAPEX and OPEX savings through reductions in cabinets, cable and devices; easier engineering; enhanced factory and site acceptance testing; improved operator performance; decreased downtime; and improved asset management.

Gul's presentation outlined Shell's experiences with its Prelude floating liquefied natural gas (FLNG) facility, which will produce approximately 3.6 million tons of liquefied natural gas (LNG) per year. He explained how commissioning a project with thousands of devices to enable a proactive maintenance strategy presents enormous hurdles for an operating company.

In particular, Gul described the use of a configuration reporting tool to efficiently verify the configuration of devices per project specifications. The tool allowed Shell personnel to check the configurations of multiple devices and quickly identify incorrect settings for QA/QC on the Prelude FLNG project.

The end user forum concluded with a question and answer session with the speaker panel.

A key feature of the General Assembly-related activities was a live demonstration of FieldComm Group technologies as part of a "Field Communication Lounge" within the Measurement and Control show at the Tokyo International Exhibition Center. The lounge created a single exhibit area for visitors to learn about and experience the latest in field communication and integration technologies, and discuss how they are used to deliver results that can improve a company's profitability.

Based on the theme "CONNECT+INTEGRATE=VALUE," FieldComm Group's multi-vendor technology wall included leading control system suppliers and a wide range of field instrumentation. The interactive exhibit showed how digital integration enables industrial organizations to use actionable intelligence to enhance decision-making, and thus achieve significant operational and business benefits.

The display demonstrated the multiple ways end users can connect to valuable information in intelligent field devices—regardless of protocol—by using FDI to integrate the information in a control system, asset management application or enterprise resource planning (ERP) system; then visualize and evaluate the data; and ultimately take action based on the information to prevent shutdowns, lower operating costs, reduce maintenance expenses, and become more predictive in how plants are run.

For more information, please visit the [FieldComm Group website](#).

ABB's Schulz named FieldComm Group chairman

By FielComm Group

FieldComm Group has named Thoralf Schulz, Global Technology Manager, Control Technologies in Process Automation, ABB, as the new chairman of its board of directors. Schulz follows Hans Georg Kumpfmüller, President, Siemens Process Automation, who led the organization from its founding in January 2015.

Schulz has a degree in Electrical Engineering and also holds a Master of Business Administration. After finishing his studies in Electrical Engineering he joined ABB as a product manager in the area of process control systems. Since then he has held various positions in product management, project management and product development within ABB's process automation business. From 1997 to 2010, Schulz worked for ABB in the US as R&D Manager for North America for Process Automation. He is located in Mannheim, Germany in his current position.

In other board changes, Shinji Oda, General Manager, Technology Marketing, Yokogawa, will succeed Kimikazu Takahashi, a Yokogawa corporate fellow. Axel Lorenz, Vice President, Process Automation, Siemens AG, will also join the board.

FieldComm Group's other current board members include: Masaki Iwasaki, President, Azbil/Advanced Automation Company; Dr. Rolf Birkhofer, Managing Director, Endress+Hauser Process Solutions AG; Peter Zornio, Chief Strategic Officer, Emerson Process Management; Shiro Kondo, General Manager of Industrial Infrastructure Business, Fuji Electric Co., Ltd.; Paul McLaughlin, Chief Engineer, Honeywell Process Solutions; Gunther Kegel, Chief Executive Officer, Pepperl+Fuchs; Shannon Foos, Segment Manager for Process Automation Networks, Integration and Asset Management, Rockwell Automation; and John Eva, Senior Vice President, Schneider Electric.

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

Newest FieldComm Group members: H&B Sensors, CMAM and Smart Network System Institute

By FielComm Group

H&B Sensors, Chengdu Michael Anderson Measuring Co., Ltd. (CMAM) and Smart Network System Institute are the newest additions to FieldComm Group. They join other leading process industry organizations in its worldwide membership.

Located in Bognor Regis, UK, H&B Sensors is a leading provider of temperature, level, pressure and flow measurement instrumentation for safe and hazardous area locations. It currently is developing a new line of temperature transmitters and indicators utilizing the HART Communication Protocol.

H&B Sensors serves a number of key markets, including:

- Aerospace
- Automotive
- Chemical
- Defense
- Food & Beverage
- Life Sciences
- Marine
- Oil & Gas
- Petrochemical
- Pharmaceutical
- Power Generation
- Water and Wastewater
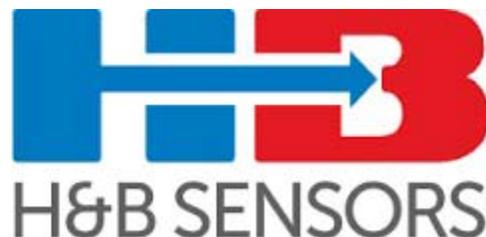
Founded in 2008, Chengdu Michael Anderson Measuring Co., Ltd. is involved in the manufacture and sale of mass flow meters and valve parts. Its product line includes:

- Coriolis meters
- Density instruments
- Immersion-type centrifugal pumps
- LNG plus liquid guns

- LNG solenoid air guns
- Pull-off dispenser valves
- CNG solenoid valves
- Quantitative loading control systems

Chengdu Michael Anderson Measuring Co. products are distributed in a wide geographical region encompassing China, Singapore, Pakistan, Iran, Myanmar, Bangladesh, Thailand, Malaysia, Russia, Uzbekistan, Kazakhstan and other countries.

Based in Taipei, Taiwan, the Smart Network System Institute/Institute for Information Industry (III) aims to develop services inspired by the needs of consumers. It creates innovative services and applications in various fields, ranging from wireless broadband, smart living, energy information and communication technology, to service-oriented mobile network devices and telematics. By offering these integrated technologies, the Smart Network System Institute would like to construct the infrastructure of networks and smart living for the next generation, creating ubiquitous smart living space for life.

III researchers in Taipei are now focused on industrial automation communication systems.

For more information, visit the [H&B Sensors](), [CMAM]() *and* [III]() *websites.*

For a complete list of member companies, visit the [FieldComm Group website]().

Developer workshops prepare product teams for innovative solutions

If you are developing a product or tool, it is important to receive training from recognized domain knowledge experts

By FielComm Group

When it comes to developing process control systems or instrumentation employing

FOUNDATION™ Fieldbus, HART®, Field Device Integration (FDI®) or Electronic Device Description (EDD) technologies, some companies choose to "go it alone." But without accurate and in-depth training of key design personnel, they risk the outcome of their product introduction.

Automation vendors supplying intelligent products, including devices, systems and applications, can realize significant benefits from attending a FieldComm Group Developer Workshop. According to Sean Vincent, Director Technical Services, training is offered at multiple levels for professionals ranging from sales & marketing personnel seeking basic knowledge of a particular technology, to development engineers, hardware designers and others requiring a "deep dive" to assist with new product development.

"FieldComm Group serves as the caretaker for the leading intelligent field communication protocols and integration standards in the automation industry. If you are developing a product or tool in compliance with one of these technologies, it is important to receive instruction from recognized domain knowledge experts," said Vincent.

Developer Workshops are held at FieldComm Group headquarters in Austin, Texas, USA, as well as at a certified third-party site in Düsseldorf, Germany. Training can also be conducted at a company's facility if required. Participants attend lectures and have an opportunity for hands-on exposure to final products. In fact, developers are able to work on their specific product development during the training course.

A choice of developer training is available: Introduction to HART Protocol (2 days), HART Fundamentals and QA Testing (4 days), Introduction to FOUNDATION Fieldbus (1 day), Advanced Principles of FOUNDATION Fieldbus (3 days), and Device Integration-Writing EDD and FDI Packages (4 days).

In many cases, companies taking part in the workshops are able to optimize their product offering based on the instruction they receive, and avoid design errors leading to poor performance and customer issues.

"FieldComm Group makes every effort to tailor workshop content to an attendee's specific objectives, or the type of product under development, to help them succeed," said Vincent. "We offer insights so they can understand the nuances of the technology in a way that may not be possible by just reading the specification."

He added, "Our workshops also have value for seasoned developers in need of a fresh, outside perspective, or those wanting to learn about our new tool for FDI – the integration standard that the entire industry will be transitioning to in the coming years.

"By participating in our training, developers utilizing FOUNDATION Fieldbus, HART, FDI or EDD get answers to their questions much faster, prepare their design team much better, and develop an understanding of what's needed to build a superior product."

The Developer Workshop schedule for 2016 is as follows:

Spring 2016 – Austin, Texas, USA

HART Introduction: March 21-22
HART Fundamentals: March 21-24
FOUNDATION Fieldbus Introduction: March 29
FOUNDATION Fieldbus Advanced Principles: March 30-April 1
Device Integration – Writing EDD and FDI Device Package Workshop: April 4-7

Spring 2016 – Düsseldorf, Germany

Device Integration – Writing EDD and FDI Device Package Workshop: April 25-28
FOUNDATION Fieldbus Introduction: June 14
FOUNDATION Fieldbus Advanced Principles: June 15-17
HART Introduction: June 20-21
HART Fundamentals: June 20-23

Fall 2016 – Austin, Texas, USA

HART Introduction: Oct. 3-4
HART Fundamentals: Oct. 3-6
FOUNDATION Fieldbus Introduction: Oct. 11
FOUNDATION Fieldbus Advanced Principles: Oct. 12-14
Device Integration – Writing EDD and FDI Device Package Workshop: Dec. 5-9

Fall 2016 – Düsseldorf, Germany

FOUNDATION Fieldbus Introduction: Sept. 6
FOUNDATION Fieldbus Advanced Principles: Sept. 7-9

Device Integration – Writing EDD and FDI Device Package Workshop: Sept. 12-15
HART Introduction: Nov. 7-8
HART Fundamentals: Nov. 7-10

For more information, visit the Training Workshop page on the FieldComm Group website.

Azbil announces Smart ESD* Device for SIS applications

By FielComm Group

Azbil Corporation's Smart ESD Device 700 series (700SIS) is now available. Devices in this series act as the interface for an emergency shutdown valve in a safety instrumented system (SIS). They are compliant with the IEC 61508 international standard for function safety.

The 700SIS has been certified for applications that require Safety Integrity Level (SIL) 2 or 3, according to IEC 61508. It is equipped with the Partial Stroke Test (PST) function

for online diagnosis of emergency shutdown valves, a feature that helps to maintain and improve the safety integrity level (SIL) while also reducing the cost of operation and plant design.

Advanced integration of devices utilizing HART® communication is also possible. As a key device in a SIS, the 700SIS is expected to contribute to safe and stable plant operation.

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

Endress+Hauser Field Xpert & RFID Tags: Optimize the maintenance process

By FielComm Group

Dirty industrial environments take their toll on instrument labels and trying to clean and decipher worn or corroded labels takes valuable maintenance time. In order that its devices can be quickly identified, even in the harshest of environments, Endress+Hauser has introduced optional RFID tags. Available for all devices, they support standard Near Field Communication (NFC) and carry information on serial number, manufacturer and device name, as well as three lines of customer information (e.g., measuring point tag and location).

When equipped with an optional RFID NFC head, the latest version of Field Xpert SFX370, Endress+Hauser's handheld HART® and FOUNDATION™ Fieldbus configurator can read and display the information from the RFID tag. Furthermore, it can simply download device documentation such as manuals, data sheets, safety instructions, etc. and displays product details and status, provided WiFi is available on site. Field Xpert's large SD card ensures that once downloaded, documents and information are stored and can be easily used later, even when you are offline.

The ability to easily identify a device and

immediately download all relevant information about it represents a significant improvement to the maintenance process, where optimizing time and effort is of the greatest importance.

For more information, visit the [Endress+Hauser website](#).

Endress+Hauser iTemp TMT82: Reliable, accurate, SIL 2/3 certified

By FielComm Group

Endress+Hauser's iTemp TMT82 HART temperature transmitter is designed to meet the toughest requirements to be found in the chemical, oil & gas and power industries. Not only is the transmitter certified to SIL 2/3 (i.e., can be used in SIL 3 safety systems), it is also available with various international approvals guaranteeing safe operation in explosion-hazardous areas.

iTemp TMT82 is available as a head transmitter or as a unit for top-hat rail mounting. Conforming to HART® 7.0, it has two inputs and one 4-20 mA/HART output, thus supporting standard, redundant and differential temperature measurement. It can be used with TCs, RTDs, resistance transmitters (Ω) and voltage transmitters (mV). Sensor matching ensures the highest accuracy.

A major feature of the transmitter is its support of NAMUR NE 107 diagnostics. Monitoring both itself and the sensor inputs, any issues detected are assigned to one of four categories: maintenance required, out of specification, function check and failure. Information on possible cause and potential remedy is available for each event, allowing the user to quickly identify and eliminate device faults. The subsequent improvement to maintenance processes ensures higher plant availability and saves costs.

*For more information, visit the Endress+Hauser website.*

Endress+Hauser commissioning wizard: Guided, interactive, simple

By FielComm Group

Guided/free-space radar is a very effective method of measuring level, provided the instruments have been correctly configured. To ensure that this is the case, Endress+Hauser has introduced a commissioning wizard for their Levelflex FMP5x and Micropilot FMR5x devices.

The commissioning is interactive, treats each commissioning stage separately and takes the user step-by-step through the whole procedure. Questions are asked, to which the user must reply. Graphics adapt to the answers given. Tips explain the significance of parameters and the consequences of values entered. When all stages are complete, a large green tick indicates success.
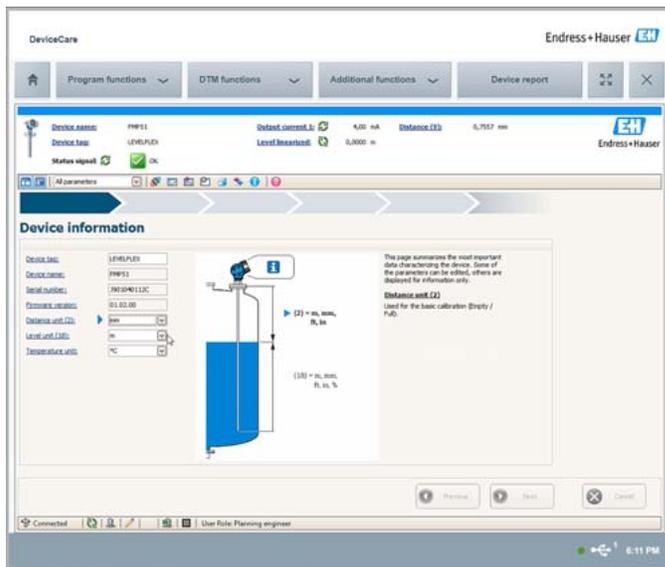
After commissioning is complete, the user can access additional settings. These include setting the device's safety behavior in the event of lost echoes, checking the signal curve and the output, saving the reference curve and documenting the device settings.

Ninety percent of all applications are covered, which means typical level measurement in liquids and solids as well as interface measurement with the Levelflex FMP5x. The wizard is implemented in the standard device DTMs and can be run in DeviceCare (supplied with every device), FieldCare or any other FDT frame.

For more information, visit the Endress+Hauser website.

Meggitt offers HART-enabled vibration sensors

By FielComm Group

Meggitt's PCH420V is the first HART®-enabled piezo-electric vibration sensor enabling continuous online monitoring of balance-of-plant assets with a digital connection to PLC or DCS systems for local analysis of multiple vibration bands. They are capable of installation in multi-drop configurations and reduce wiring requirements. HART functionality enables the user to specify vibration frequency bands, detector types and full-scale measurement ranges—effectively enabling field-configuration for specific monitoring requirements.

PCH420 sensors are powered by the network for continuous coverage, unlike wireless solutions only offering snapshots of asset performance and employing batteries that require frequent replacement. Utilizing PCH systems offers less than half the cost of wireless monitoring systems that require gateways and other infrastructure to install, and can cost more than $1,000 per measurement point. The easily implemented technology allows data to be accessed by HART-enabled process controllers and information systems for better-informed decisions and improved predictive diagnostic capabilities.

Meggitt's new integrated technology adds vibration sensors to the ranks of temperature, pressure, flow, level and analytical transmitters, which have been HART-capable for more than a decade. Critical asset performance can be accurately monitored, adding to the reliability and performance of the entire process.

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

Microcyber's WirelessHART solution is all you need!

By FielComm Group

Based on end user application requests, Microcyber's *Wireless*HART® Development Toolkit provides all the tools for evaluating *Wireless*HART protocol network performance, as well as the modules for device integration and application development.

*Wireless*HART Development Toolkit products comply with the *Wireless*HART protocol specification (IEC62591) and have ultra-low power consumption, high real-time performance and higher reliability.

Microcyber's toolkit offer many robust features:

- *Wireless*HART Module is small in size and can be embedded in multiple kinds of devices in different industries
- Multifunction Development Board helps customers evaluate and develop WirelessHART devices in an efficient manner
- *Wireless*HART Gateway can be in charge of up to 500 devices and has the protection level IP65
- User Interface Library helps customers develop their own products quickly
- Multi Transmitters Program configures and monitors devices at any time during development and construction

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

Latest Registered FOUNDATION Fieldbus Products

By FieldComm Group

The number of FOUNDATION Fieldbus and HART products registered by the FieldComm Group continues to grow. FieldComm Group is one of the only automation industry organizations with a registration program requiring mandatory testing of critical elements of its technologies. The effort encompasses host systems and field devices and physical layer components such as power supplies and device couplers from all segments of the automation market.

The table lists the most recently registered products by manufacturer, type, and model/host name.

New Physical Layer Components

Protocol	Manufacturer	Type	Model/Host Name
FOUNDATION Fieldbus	LEONI Kerpen GmbH	Foundation Fieldbus Cable, FF-844, EN 50288-7, 16 AWG or 1.3mm², armored or non-armoured - 1-36 STP	ICON BUS FoamPO STP PVC or LSZH, (series 51A or B1A)

New Registered Devices

Protocol	Manufacturer	Type	Model/Host Name
HART	Endress + Hauser	Loop Monitor	RIA15
HART	Honeywell	Temperature	STT750
HART	Honeywell	Pressure	SMV800
HART	Metso Flow Control	Intelligent Valve	NDX H7

Protocol	Manufacturer	Type	Model/Host Name
	Inc.	Controller	
HART	Metso Flow Control Inc.	Intelligent Valve Controller	NDX H6
HART	Moore Industries-International Inc.	Temperature Transmitter	STZ
FOUNDATION Fieldbus	R. STAHL Schaltgeraete GmbH	HSE Remote I/O (ROM Device)	9441/12-00-00 IS1
HART	RIKEN KEIKI CO., LTD.	Gas Detector	D58-AC
FOUNDATION Fieldbus	Sierra Instruments	Vortex Flow Meter	InnovaMass 240/241i
HART	Tokyo Keiso Company	Level	FW9000NN
HART	Yokogawa Electric Corporation	Flow	ROTAMASS TI
HART	Yokogawa Electric Corporation	Pressure	EJX-DRS

Updated Registered Devices

Protocol	Manufacturer	Type	Model/Host Name
HART	ABB Automation Products GmbH	Electro-pneumatic Positioner	TZIDC
HART	Azbil Corporation	Pressure	AT9000
FOUNDATION Fieldbus	Cameron Measurement Systems	Flow Computer	Scanner 2000
FOUNDATION Fieldbus	Endress+Hauser	pH/ORP Transmitter	Liquiline phORP
FOUNDATION Fieldbus	Endress+Hauser	Conductivity Transmitter	Liquiline Cond
FOUNDATION Fieldbus	Endress+Hauser	Oxygen Transmitter	Liquline Oxygen
HART	Endress+Hauser GmbH+Co. KG	Level	Levelflex 5x
HART	Endress+Hauser GmbH+Co. KG	Level Meter	Micropilot 5x

HART	FLEXIM Flexible Industriemesstechnik GmbH	Ultrasonic Flowmeter	Fluxus
FOUNDATION Fieldbus	Flowserve Corporation	Positioner	Logix 3400MD
HART	PR Electronics A/S	Temperature	PR5335/PR7501H5
HART	Seojin Instech Co. Ltd.	Level	SDT420
FOUNDATION Fieldbus	Siemens AG	Valve Positioner	SIPART PS2 FF

Updated Electronic Device Description (EDD)

Protocol	Manufacturer	Type	Model/Host Name
FOUNDATION Fieldbus	Schneider Electric/Foxboro	2 Channel Temperature Transmitter Head Housing	RTT80

POWER-GEN attendees learn about digital device integration

By FielComm Group

FieldComm Group exhibited intelligent device integration technologies at POWER-GEN International, December 8-10 in Las Vegas, Nevada. Its booth provided a hands-on look at a broad spectrum of solutions employing FOUNDATION™ Fieldbus, HART®, HART-IP™, *Wireless*HART® and the Field Device Integration (FDI®) standard.

POWER-GEN International is the world's largest power generation event dedicated to spotlighting the industry's latest innovations, technical trends and business strategies.

POWER-GEN attendees learned about FieldComm Group's core mission to integrate digital devices into automation system architectures while protecting investments in HART and FOUNDATION Fieldbus assets. Talon Petty, marketing and business development manager, said, "Visitors to our booth were able to see, first hand, our efforts to support both controls and instrumentation manufacturers, and end users, throughout the world of process automation. The work of our organization is aimed at creating a standards-based platform driving actionable information from digital automation data."

According to Petty, POWER-GEN International was an excellent venue to show how the combination of the HART Communication Foundation and Fieldbus Foundation, and the addition of FDI within FieldComm Group, will help realize the automation industry's goal of a single, unified body to support advanced digital technology.

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

Protocol	Manufacturer	Type	Model/Host Name
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HART	Honeywell	Temperature	STT750
HART	Honeywell	Pressure	SMV800
HART	Metso Flow Control Inc.	Intelligent Valve Controller	NDX H7
HART	Metso Flow Control Inc.	Intelligent Valve Controller	NDX H6
HART	Moore Industries-International Inc.	Temperature Transmitter	STZ
FOUNDATION Fieldbus	R. STAHL Schaltgeraete GmbH	HSE Remote I/O (ROM Device)	9441/12-00-00 IS1
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FOUNDATION Fieldbus	Endress+Hauser	Conductivity Transmitter	Liquiline Cond
FOUNDATION Fieldbus	Endress+Hauser	Oxygen Transmitter	Liquiline Oxygen

HART	Endress+Hauser GmbH+Co. KG	Level	Levelflex 5x
HART	Endress+Hauser GmbH+Co. KG	Level Meter	Micropilot 5x
HART	FLEXIM Flexible Industriemesstechnik GmbH	Ultrasonic Flowmeter	Fluxus
FOUNDATION Fieldbus	Flowserve Corporation	Positioner	Logix 3400MD
HART	PR Electronics A/S	Temperature	[PR5335/PR7501H5](PR5335/PR7501H5)
HART	Seojin Instech Co. Ltd.	Level	[SDT420](SDT420)
FOUNDATION Fieldbus	Siemens AG	Valve Positioner	SIPART PS2 FF

Updated Electronic Device Description (EDD)

Protocol	Manufacturer	Type	Model/Host Name
FOUNDATION Fieldbus	Schneider Electric/Foxboro	2 Channel Temperature Transmitter Head Housing	[RTT80](RTT80)

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