FieldComm Group
History, Mission, Organization

FieldComm Group – the home of process automation communication technologies

Hisashi Sasajima
FieldComm Group: Connecting the World of Process Automation

1. FIELDCOMM GROUP HISTORY, MISSION AND ORGANIZATION
2. FIELDCOMM GROUP TECHNOLOGY UPDATE

Hisashi Sasajima
Director of Marketing, Asia Pacific

FieldComm Group is the home of the HART, FOUNDATION Fieldbus and FDI Technology standards
History, MISSION and Organization
FieldComm Group

- 1993 - December: Established HART Communication Foundation
- 1994 - July: Established Fieldbus Foundation
- 2014 - June: Both FF/HCF Boards Agreed to Merger
- 2015 - January: FieldComm Group in Operation
- 2015 - June 30: Dissolved FF and HCF
- 2015 - July 1: Open New FCG Office
- 2016 - April 1: Global Operation; EMEA, Asia Pacific
FieldComm Group Formation

FieldComm Group began operating on January 1, 2015.
FDI was added in July 2015 upon dissolution of FDI LLC.
FieldComm Group Technology Portfolio
Creating a Open Environment

COLLABORATION WITH TECHNOLOGY PEERS AROUND THE GLOBE:

- PNO (as co-owner of FDI software)
- PNO, OPC & FDT (as owners of FDI spec)
- ISA100 & other international standards
- Improving Usability with standards such as:
  - NAMUR NE107 and
  - ISA 108 Intelligent Device
  - Management
FieldComm Group is the Home of
HART®, FOUNDATION™ Fieldbus and FDI™ Technologies

formed in 2015 • global organization • 340+ members
The FieldComm Group Mission

KICKING OFF NEW ERRA

MISSION:

Develop, manage and promote global standards for integrating digital devices into automation system architectures while protecting process-automation investments in the HART® and FOUNDATION™ Fieldbus communication technologies.
FieldComm Group Goals

- Be the center of gravity in process automation communication
  - Support and Enhance Leading Communication Technologies
  - Become a home for FDI to launch the new integration standard
  - Improve Service to Membership by common and efficient processes
  - Help users capture the value of digital data by promoting member solutions
  - Collaborate with industry leaders to enhance technologies of the future
Creating a Open Environment

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FieldComm Group Owns the Major Process Industry Protocols

- Continued growth and adoption with rising digital connectivity
- 30,000 networks installed
- Leading open industry standard to get HART data to an IP network
- Usability enhancements providing familiar 4-20mA work practices to fully digital technology
HART and FF Protocols

- Connect with industry leading technologies
  - HART and FF Protocols will continue to be supported and enhanced
  - No attempt to merge technologies
  - Combined Working Groups to add common industry needs
HART - Digital Transformation for Analog Instruments

THE LARGEST DIGITAL COMMUNICATIONS TECHNOLOGY DEPLOYED IN PROCESS INDUSTRY FOR SENDING AND RECEIVING DIGITAL INFORMATION ACROSS THE 4-20MA ANALOG CURRENT LOOP

- Multiple measurements
- Calculated values
- Diagnostic information
- Remote configuration and data access

- Adds wireless capabilities to HART technology
- Low cost installation
- Fast implementation

- Connecting HART devices through existing IP networks
- Two-way communication with HART devices from any HART application residing on a connected IP network
FOUNDATION Fieldbus - All-Digital Communication

- Superior performance with lower installed cost
  - 100% digital
  - Zero marshalling
  - Reduced cabling, hardware I/O cabinets, and device count
  - Multiple signals from multiple devices on the same wire pair
The Value of Registered Products

- Registered products meet all user requirements
  - Compliance with Specifications
  - Interoperability and Performance demanded by End Users
  - Ensures performance and compatibility with demands of Users in IIoT
## FieldComm Group Board of Directors

<table>
<thead>
<tr>
<th>Director Name</th>
<th>Position</th>
<th>Company</th>
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</thead>
<tbody>
<tr>
<td>Thoralf Schultz</td>
<td>Chairman</td>
<td>ABB</td>
</tr>
<tr>
<td>Masato Iwasaki</td>
<td></td>
<td>Azbil Corporation</td>
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<tr>
<td>Peter Zornio</td>
<td></td>
<td>Emerson Process Management</td>
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<tr>
<td>Dr. Rolf Birkhofer</td>
<td></td>
<td>Endress+Hauser Process Solutions AG</td>
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<tr>
<td>Shiro Kondo</td>
<td></td>
<td>Fuji Electric Co., Ltd.</td>
</tr>
<tr>
<td>Paul McLaughlin</td>
<td></td>
<td>Honeywell Process Solutions</td>
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<tr>
<td>John Eva</td>
<td></td>
<td>Schneider Electric, Inc.</td>
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<tr>
<td>Dr. Gunther Kegel</td>
<td></td>
<td>Pepperl+Fuchs GmbH</td>
</tr>
<tr>
<td>Shannon Foos</td>
<td>Secretary</td>
<td>Rockwell Automation, Inc.</td>
</tr>
<tr>
<td>Axel Lorenz</td>
<td></td>
<td>Siemens AG</td>
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<tr>
<td>Shinji Oda</td>
<td></td>
<td>Yokogawa Electric Corporation</td>
</tr>
<tr>
<td>Ted Masters</td>
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<td>CEO, FieldComm Group</td>
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[https://www.fieldcommgroup.org/about](https://www.fieldcommgroup.org/about)
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<th>Name</th>
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<tbody>
<tr>
<td>Ted Masters</td>
<td>President &amp; CEO</td>
</tr>
<tr>
<td>Warry Pratt</td>
<td>Director of HART Technology</td>
</tr>
<tr>
<td>Stephen Mitschke</td>
<td>Director of FOUNDATION Fieldbus Technology</td>
</tr>
<tr>
<td>Sean Vincent</td>
<td>Director of Technical Services</td>
</tr>
<tr>
<td>Achim Laubenstein</td>
<td>Director of FDI Technology</td>
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# FieldComm Working Group Structure

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<tr>
<th>Physical Layer</th>
<th>HART Technology</th>
<th>FOUNDATION Fieldbus Technology</th>
<th>Advanced Applications</th>
<th>Usability</th>
<th>Cyber Security</th>
<th>Integration</th>
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<tbody>
<tr>
<td>HART Physical Layer</td>
<td>HART Technology</td>
<td>FOUNDATION Physical Layer</td>
<td>H1</td>
<td>HSE</td>
<td>HART Adv. Appl.</td>
<td>SIM</td>
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<tr>
<td>FOUNDATION Physical Layer</td>
<td></td>
<td></td>
<td>Function Block</td>
<td>Transducer Block</td>
<td>SIM</td>
<td>LAB Integration</td>
</tr>
<tr>
<td></td>
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<td>FF SIF</td>
<td>FF ROM</td>
<td>Transducer Block (Profiles)</td>
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**Change Control Committee (CCC)**

- H1
- HSE
- Function Block
- Transducer Block
- FF SIF
- FF ROM
- SIM
- LAB Integration
- New!
- EDDL
- FDI
- End User Liaisons (e.g. NAMUR)
### FieldComm Group Marketing Directors

<table>
<thead>
<tr>
<th>Name</th>
<th>Region</th>
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<tbody>
<tr>
<td>Paul Sereiko</td>
<td>Director of Marketing</td>
</tr>
<tr>
<td>Hans-Georg Kumpfmuller</td>
<td>Director of Marketing, Europe and Africa</td>
</tr>
<tr>
<td>Hisashi Sasajima</td>
<td>Director of Marketing, Asia Pacific</td>
</tr>
<tr>
<td>Dr. Minhui Wu</td>
<td>Director of Marketing, China</td>
</tr>
<tr>
<td>Mohammed (Mo) Loch</td>
<td>Director of Marketing, Middle East</td>
</tr>
<tr>
<td>Talon Petty</td>
<td>Director of Marketing, Americas</td>
</tr>
</tbody>
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FOUNDATION Fieldbus Certified Training Sites

NORTH & SOUTH AMERICA
• LEAD - Rio de Janeiro, Brazil
• Lee College - Baytown, Texas USA
• TRINE University - Avon, Indiana USA

EUROPE, MIDDLE EAST & AFRICA
• IDX - Fourways, South Africa
• STC - Brielle, Netherlands

ASIA PACIFIC
• KMITL - Bangkok, Thailand
• Waseda - Tokyo, Japan
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