

# **Fieldbus Foundation Update**

**End User Seminar- Taiwan**

**at the Grand Hi-Lai Hotel, Kaohsiung**

**July 6<sup>th</sup> , 2011**

**Hisashi Sasajima**

**V.P. Fieldbus Foundation**

## **Fieldbus Foundation Update At the Chevrons, Singapore May 12<sup>th</sup>, 2011**

- 1. Foundation Press Releases in 2011**
- 2. Technology Projects**
- 3. Asia Pacific Organization and 2011 Event Calendar**
- 4. Foundation Certified Training Program (FCTP)**

## **Fieldbus Foundation Update at the Chevrons, Singapore May 12<sup>th</sup>, 2011**

### **Press Releases**

- 1. Fieldbus Foundation Appoints Mr. Larry O'Brien as Global Marketing Manager.**
- 2. Fieldbus Foundation Holds 2011 General Assembly in Mumbai, India.**
- 3. Fieldbus Foundation Announces First Registered Hosts Incorporating Host Profile "61b".**
- 4. Fieldbus Foundation Brings More Info Through HSE With Wireless & Remote I/O Solutions For Developers.**
- 5. Fieldbus Foundation Announces Flow Transducer Block Final Specification**
- 6. Fieldbus Foundation Announces New FOUNDATION™ Technology Blog**

# ***1. Fieldbus Foundation Appoints Mr. Larry O'Brien as Global Marketing Manager.***

AUSTIN, Texas, March 16, 2011 — The Fieldbus Foundation today announced the appointment of Larry O'Brien as global marketing manager. Formerly of ARC Advisory Group, O'Brien has 18 years of experience in the process automation business as a research director and analyst at ARC, and has been closely tracking and reporting on developments surrounding Foundation fieldbus for much of his career.

As global marketing manager, O'Brien will be responsible for developing the strategic marketing direction for Foundation technology worldwide. He will oversee activities such as fieldbus seminar programs, trade show exhibitions, technical demonstrations and marketing Communications.



## ***2. Fieldbus Foundation Holds 2011 General Assembly in Mumbai, India***

***- Largest annual gathering in foundation's history attracts nearly 500 attendees-***

AUSTIN, Texas, March 23, 2011 — The Fieldbus Foundation today announced that nearly 500 attendees, including many of the world's leading suppliers and end users of Foundation fieldbus, took part in its 2011 General Assembly, held March 9-10 at the JW Marriott Hotel Mumbai, India. This annual gathering was the largest event in the foundation's history.

India was selected as the site for the 2011 General Assembly due to its status as the world's fastest growing market for process automation and the overwhelming demand for Foundation technology within the area.

Many of the world's largest Foundation fieldbus installations are also located in India, and the amount of application expertise being developed in India is considerable.



## ***2. Fieldbus Foundation Holds 2011 General Assembly in Mumbai, India***

### 2011 General Assembly speakers:

1. Keynote Address: Mr. P. Mahajan, technical director, Engineers India Limited (EIL)
2. “Asset Management with Foundation Fieldbus” by Jonas Berge, EPMS
3. “Foundation Fieldbus for Safety Instrumented Functions (FF-SIF)” by Patrick Flanders, ESD specialist, Saudi Aramco
4. “New Technology for Foundation Fieldbus Physical Layer” by Michael Kessler, P+F
5. “Foundation Technology Update” by Dave Glanzer, Fieldbus Foundation
6. “Control in Field (CIF)” by Travis Hesketh, FF EMEA Steering Committee
7. “Implementing Foundation Fieldbus in KGD-6” by H.S. Gambhir, vp. Reliance Industries Limited
8. “Operational Excellence Using Foundation Fieldbus” by T. Senthil, SGM (Inst), Chemplast
9. “Advantages Using Foundation Fieldbus” by Ravi Gupta, manager, I&C, HMEL Refinery
10. “CAPEX/OPEX Benefits Using Foundation Fieldbus” by A. Rajabahadur, ARC India
11. Panel Discussion with all presenters : moderated by Mr. B.R. Mehta of Reliance Industries Limited.

***Presentations from the 2011 General Assembly are available for download from Fieldbus Forums on the Fieldbus Foundation website***

### 3. *Fieldbus Foundation Announces First Registered Hosts Incorporating Host Profile "61b".*

AUSTIN, Texas, April 20, 2011 — The Fieldbus Foundation today announced it has registered the first two Foundation fieldbus hosts incorporating new, mandatory host profile "61b." Fieldbus hosts passed tests verifying their support for NAMUR NE107 field diagnostics, which is now required as part of the second phase of host testing and registration.

#### **Host profiles:**

- Class 61 – Integrated Host
- Class 62 – Visitor Host
- Class 63 – Bench Host Non-Commissioned Device
- Class 64 – Bench Host Commissioned Off-Line Device.

#### **Compliant Hosts**

##### **10** Registered Host Systems from **8** Companies

- |                                 |  |
|---------------------------------|--|
| • ABB Automation Products GmbH: | Industrial IT System 800xA               |
| • GE Energy                     | GE ControlST                             |
| • Emerson Process Management    | DeltaV & AMS Suite                       |
|                                 | Ovation Expert Control System            |
| • Honeywell Process Solutions   | Experion PKS                             |
| • Invensys Operation Management | Infusion Enterprise Control System       |
| • Siemens AG                    | SIMATIC PCS 7 Distributed Control System |
| • Yamatake Corporation          | Industrial-DEO / Harmonas                |
| • Yokogawa Electric Corporation | CENTUM VP                                |
|                                 | STARDOM                                  |



## 4. *Fieldbus Foundation Brings More Info Through HSE With Wireless & Remote I/O Solutions*

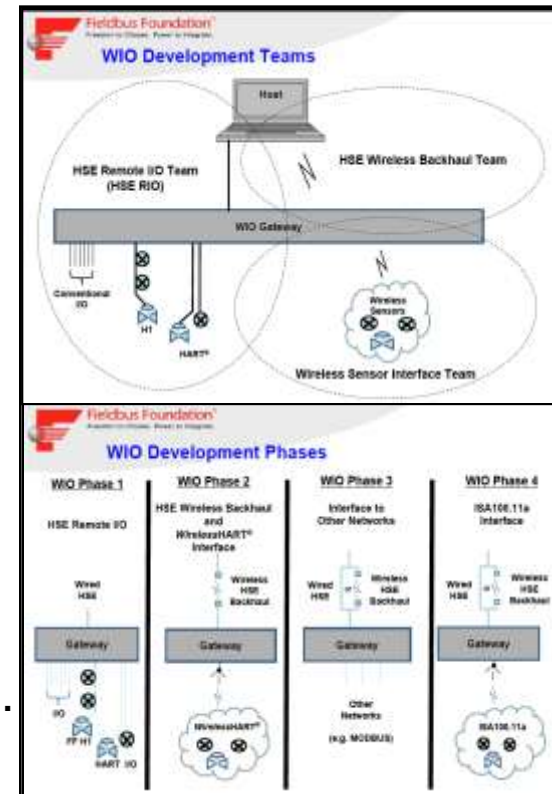
*- WIO allows plants to access high data requirement devices directly in fieldbus hosts via HSE -*

AUSTIN, Texas, April 26, 2011 — The Fieldbus Foundation today announced the latest progress on its Wireless and Remote I/O (WIO) technology, including a suite of solutions to assist automation suppliers in developing WIO devices. WIO will enable the utilization of an open, interoperable fieldbus automation infrastructure incorporating both Foundation fieldbus High Speed Ethernet (HSE) and industrial wireless applications.

The WIO development is part of the Fieldbus Foundation’s continuing initiative to design and deploy an infrastructure that will accommodate evolving wireless standards inclusive of WirelessHART and ISA100.11a.

The foundation’s WIO gateway provides an interface to both technologies and uses Electronic Device Description Language (EDDL) and Function Blocks to provide interoperability with the other WIO gateways.

WIO continues to broaden the automation infrastructure capabilities of Foundation technology by providing interoperable gateways for wired and wireless HSE devices.





## **5. *Fieldbus Foundation Announces Flow Transducer Block Final Specification***

***- Specification includes new, standardized flow transducer block with high-performance totalizer function -***

AUSTIN, Texas, May 3, 2011 — The Fieldbus Foundation today announced the release of the all-new Foundation fieldbus Flow Transducer Block Final Specification (FF-908 FS 1.0), which includes a standardized flow transducer block with a high-performance totalizer function. This specification will enable greater consistency in fieldbus device setup, configuration and maintenance, and make it easier for end users to utilize instruments from a wide range of automation equipment suppliers.

The Fieldbus Foundation's Flow Transducer Block Specification includes standard definitions for the following flow transducer blocks:

- Standard flow with calibration for basic device access
- Standard flow with calibration for complex device access
- Common practice parameters for extended functionality

Additionally, the specification provides a schematic of blocks, parameter access, and details for handling status of input parameters.

The Flow TB also provide information regarding the measurement principle used, such as a Coriolis flowmeter or a differential pressure transmitter.

When used in conjunction with a flow transducer block, the new totalizer function supports the time-critical procedure of totaling different inputs in order to compute flow.

## 6. **Fieldbus Foundation Announces New FOUNDATION™ Technology Blog**

**- Blog will address wide range of issues affecting the world of FOUNDATION fieldbus-**

AUSTIN, Texas, May 24, 2011 — The Fieldbus Foundation today announced that it has established a new blog addressing a wide range of issues affecting the world of FOUNDATION™ technology. Located at <http://foundationfieldbus.blogspot.com>, the blog will cover topics of interest to fieldbus equipment suppliers, end users, engineering firms, system integrators, and others.

FOUNDATION fieldbus provides a supplier-neutral, standards-based process automation infrastructure for plant operational excellence — one of the most advanced and scalable solutions available. The technology is designed to enable process integrity; business intelligence; and open, scalable integration in a managed environment. The first commercial FOUNDATION fieldbus applications were installed in 1997. Since that time, over a million devices have been sold into a \$1.5 billion dollar market of products, applications and services. The Fieldbus Foundation's global marketing manager, Larry O'Brien, will moderate the new FOUNDATION fieldbus blog.

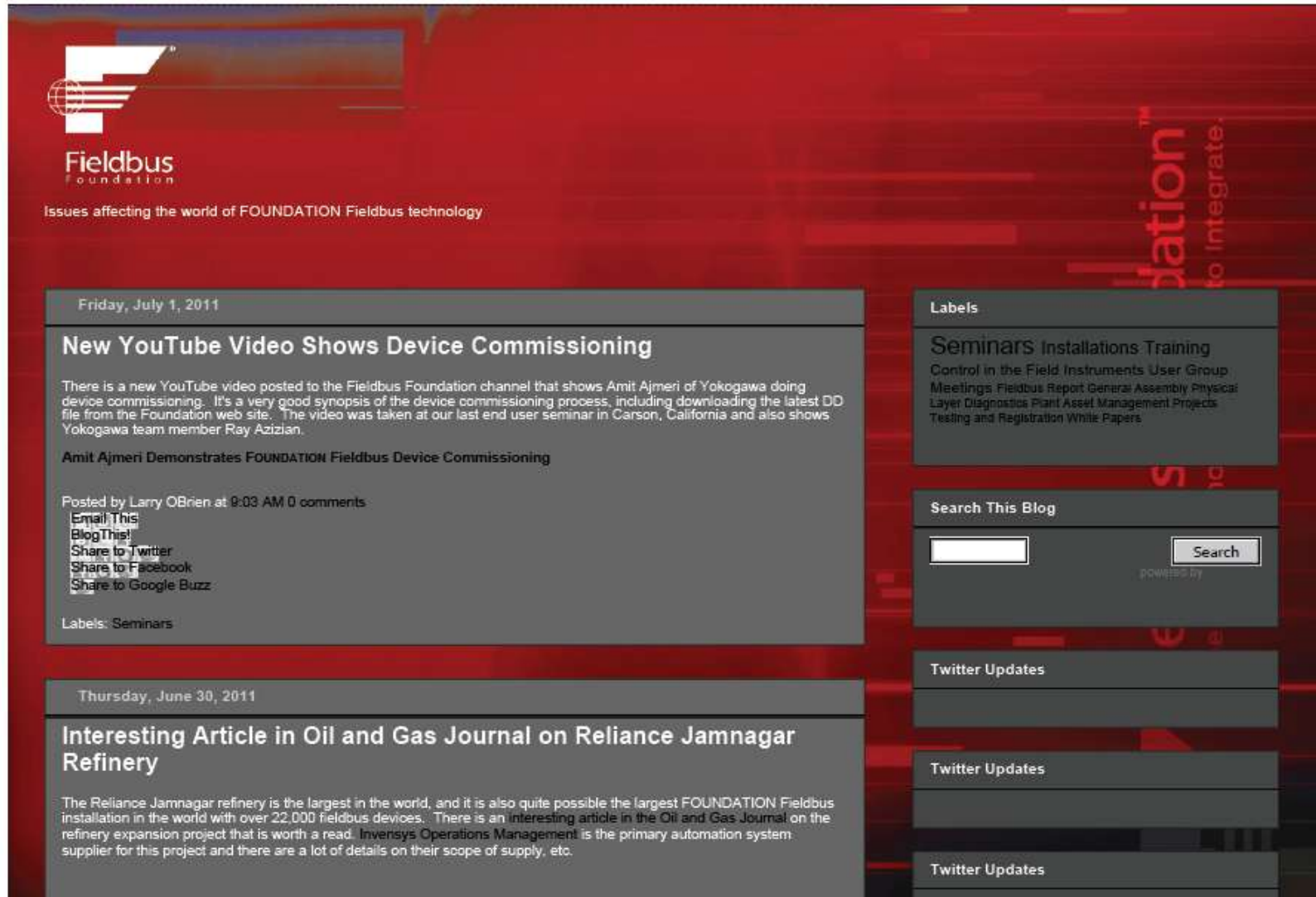
A sample of recent posts on the FOUNDATION fieldbus blog includes:

- Certification of FOUNDATION fieldbus trainers from several leading educational institutions worldwide.
- Introduction of new FOUNDATION-compliant products by a number of leading automation equipment suppliers.
- Successful FOUNDATION technology installation in the municipal water industry.
- Fieldbus host interoperability testing under the Fieldbus Foundation's new "61b" Host Profile Registration process.

The blog also includes a Twitter feed with additional updates on FOUNDATION fieldbus developments around the world.

# 6. *Fieldbus Foundation Announces New FOUNDATION™ Technology Blog*

FOUNDATION Technology



The screenshot shows the homepage of the Fieldbus Foundation Technology Blog. The header features the Fieldbus Foundation logo and the tagline "Freedom to Choose. Power to Integrate." Below the header, the main content area is titled "Issues affecting the world of FOUNDATION Fieldbus technology". The page displays two blog posts. The first post, dated Friday, July 1, 2011, is titled "New YouTube Video Shows Device Commissioning" and includes a paragraph of text, a link to the video, and social sharing options. The second post, dated Thursday, June 30, 2011, is titled "Interesting Article in Oil and Gas Journal on Reliance Jamnagar Refinery" and includes a paragraph of text. On the right side of the page, there are several widgets: a "Labels" widget with a list of categories, a "Search This Blog" widget with a search input field and a "Search" button, and three "Twitter Updates" widgets.

**Fieldbus Foundation**  
Issues affecting the world of FOUNDATION Fieldbus technology

Friday, July 1, 2011

## New YouTube Video Shows Device Commissioning

There is a new YouTube video posted to the Fieldbus Foundation channel that shows Amit Ajmeri of Yokogawa doing device commissioning. It's a very good synopsis of the device commissioning process, including downloading the latest DD file from the Foundation web site. The video was taken at our last end user seminar in Carson, California and also shows Yokogawa team member Ray Azizian.

**Amit Ajmeri Demonstrates FOUNDATION Fieldbus Device Commissioning**

Posted by Larry OBrien at 9:03 AM 0 comments

[Email This](#)  
[Blog This!](#)  
[Share to Twitter](#)  
[Share to Facebook](#)  
[Share to Google Buzz](#)

Labels: Seminars

Thursday, June 30, 2011

## Interesting Article in Oil and Gas Journal on Reliance Jamnagar Refinery

The Reliance Jamnagar refinery is the largest in the world, and it is also quite possible the largest FOUNDATION Fieldbus installation in the world with over 22,000 fieldbus devices. There is an interesting article in the Oil and Gas Journal on the refinery expansion project that is worth a read. Inversys Operations Management is the primary automation system supplier for this project and there are a lot of details on their scope of supply, etc.

Labels: Seminars, Installations, Training, Control in the Field, Instruments, User Group Meetings, Fieldbus Report General Assembly Physical Layer Diagnostics Plant Asset Management Projects Testing and Registration White Papers

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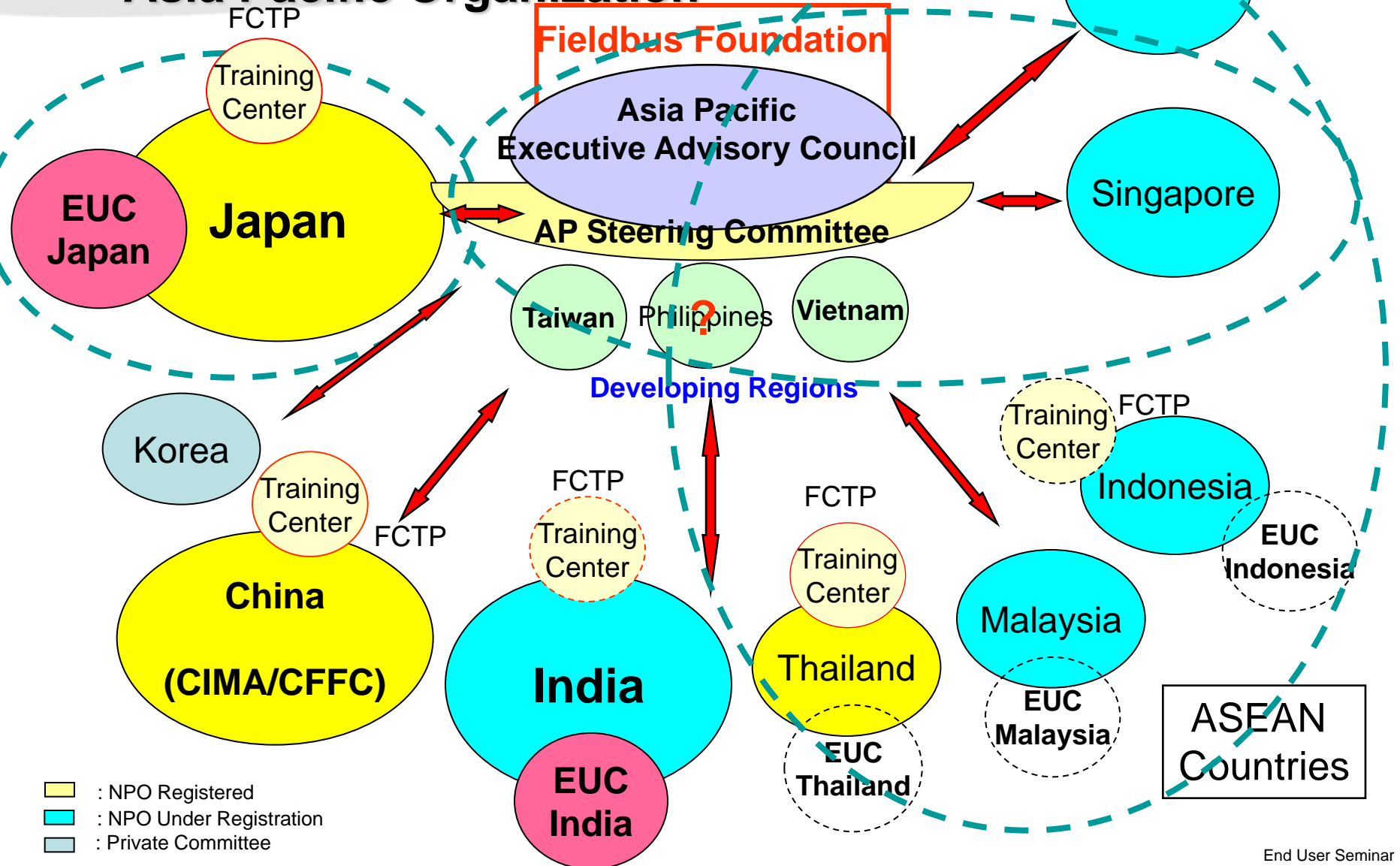
Twitter Updates

Twitter Updates

# Technology Development Projects

- 1. Wireless and Remote I/O (WIO)**
- 2. Field Device Integration (FDI)**
- 3. Safety Instrumented Functions**
- 4. Field Diagnostics**
- 5. Host Profile Registration**
- 6. Standard Transducer Blocks**
- 7. Physical Layer Test Enhancement**
- 8. Lab Integration Team**
- 9. Making Fieldbus Easier**

# Fieldbus Foundation Asia Pacific Organization



- : NPO Registered
- : NPO Under Registration
- : Private Committee

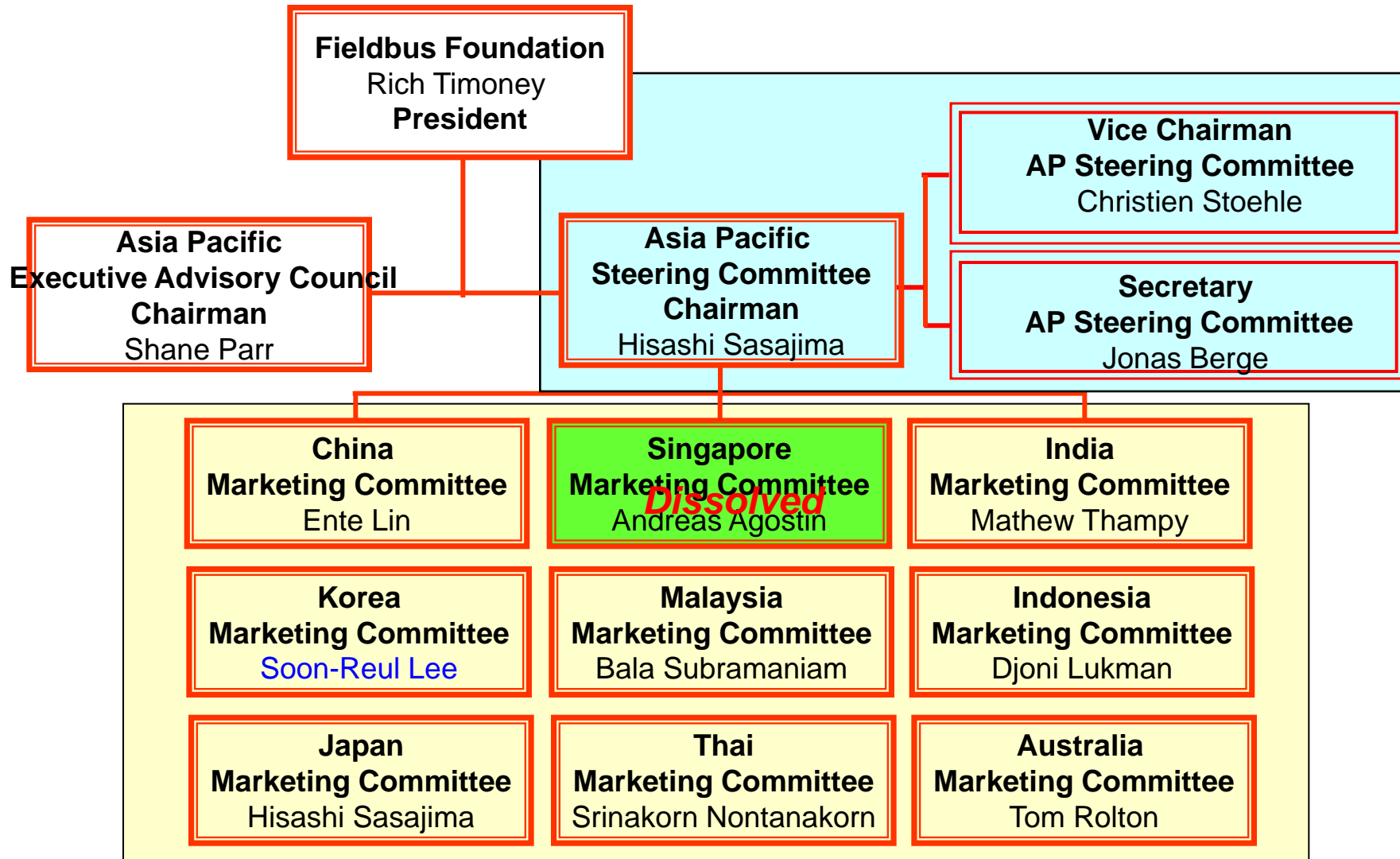
# Asia Pacific Executive Advisory Council (AP-EAC) and AP- Steering Committee (AP-SteCom)

as of May 24, 2011

|     | <u>Company</u> | <u>EAC</u>              | <u>SteCom</u>                          |
|-----|----------------|-------------------------|--|
| 1.  | ABB            | Madhav Kalia            | Esmond Chun/ Jack Vanderhorst          |
| 2.  | Emerson        | Vidya Ramnath           | <b>Jonas Berge</b>                     |
| 3.  | Honeywell      | Lin, Yew Chai           | Yeo Hwee Khoen                         |
| 4.  | Invensys       | Manoj, Chandrasekharan  | <b>Rob Veldhoen</b>                    |
| 5.  | MTL            | P T Lim                 | Andreas Agostin                        |
| 6.  | Pepperl+Fuchs  | <b>Shane Parr</b>       | <b>Christian Stroehle</b>              |
| 7.  | Rockwell       | John Watts              | Howe Tian Ho                           |
| 8.  | R Stahl        | T.B.D.                  | Wilson Lim                             |
| 9.  | Softing        | -                       | Alfred Quintero                        |
| 10. | Turck          | (To be appointed)       | Andrew Lim                             |
| 11. | azbil Yamatake | <b>Hisashi Sasajima</b> | <b>Hisashi Sasajima</b>                |
| 12. | Yokogawa       | Prasad CNN              | <b>Jerry Shi Shuai</b> / Kaoru Onodera |



# Asia Pacific Organization



# 2011 Marketing Event Plan in Asia Pacific

## South East Asia

- |             |                                |                          |  |
|-------------|--------------------------------|--------------------------|--|
| ● Singapore | May 12<br>June 24<br>September | The Chevrons             | End User Seminar<br>Annual Meeting<br>Networking Event |
| ● Vietnam   | April 20                       | Vungtao                  | End User Seminar                                       |
| ● Thailand  | July 13<br>November            | Pataya<br>KMITL, Bangkok | End User Seminar<br>End User Seminar                   |
| ● Malaysia  | November                       | Kuala Lumpur             | End User Seminar                                       |
| ● Indonesia | December                       | Jakarta                  | End User Seminar                                       |

## India

- |         |  |        |                                  |
|---------|--|--------|----------------------------------|
| ● India | September 20 - 23  | Mumbai | Automation Exhibition/Conference |
| ●       | June(UL Pune), July/Aug(Hyderabad), Nov/Dec(Unilever facility) |        | Small EU Events                  |

## East Asia

- |          |   |                                  |   |
|----------|---|----------------------------------|---|
| ● China  | July 21<br>October 20<br>T.B.D.           | Urumuqi<br>Shanghai<br>T.B.D.    | End User Seminar<br>End User Seminar<br>End User Seminar  |
| ● Japan  | March 11<br>November 16-18<br>March, 2012 | Osaka<br>Tokyo Big Site<br>Tokyo | End User Seminar<br>JEMIMA Exhibition<br>End User Seminar |
| ● Taiwan | July 6                                    | Kaohsiung                        | End User Seminar  |
| ● Korea  | October                                   | Seoul                            | End User Seminar  |

## Oceania

- |             |        |  |                  |
|-------------|--------|--|------------------|
| ● Australia | T.B.D. |  | End User Seminar |
|-------------|--------|--|------------------|

# Fieldbus Foundation Certified Training Program (FCTP)

as of May 25, 2011



**SINOPEC**  
Beijing Yanshan Petrochemical  
Simulation Center

**Waseda Univ.**  
Open Network Lab.  
Tokyo

**SAIT, Canada**



**Trine University, IN**



**STC Brielle, Holland**



**Fieldbus Center**  
Lee College, TX



**University Of Miskolc**  
Hungary

• **Indian Institute of Technology**  
• **UL Group- Pune**  
• **Madras Institute of Technology**  
India

IIT  
UL  
MIT

**Edith Cowan University**  
Perth, Australia

**King Mongkuts'**  
Institute of Technology  
Ladkrabang  
Bangkok, Thai



**Singapore Polytechnic**  
Singapore



**Bandung**  
Institute of Technology.  
Indonesia

**Terminated**