



Over 25 years experience  
in Fieldbus Technology

# Newsletter

Issue February 2011



## Dear readers,

2010 has been a good year for Fint, and we see that things are moving forwards again after the setback most of the process industry experienced in 2009.

The number of new customers is steadily increasing and we are also pleased to see that old clients return to us with new development projects.

Product sales including protocol stacks are also improving and last year we increased this revenue stream by 50 %.

We look forward to a continued cooperation with you as we are sure 2011 will produce new opportunities for all in the fieldbus business.

Halvor Landet, CEO

## Coming event:



Hannover, April 4<sup>th</sup> -8<sup>th</sup>.

Fint will be at the Interkama exhibition on the Fieldbus Foundation part of the common Fieldbus lounge, comprising among others the associations PROFIBUS and HART, Hall 9, D05/4. If you have a particular application you would like to discuss with our technical experts, give us a call or e-mail us and make an appointment, (+47)22131910 - [info@fint.no](mailto:info@fint.no), or just turn up at the stand.

## Foundation Fieldbus version 6.0

Fint launches now FF version 6.0. The most common blocks, such as: Control Select-, PID-, AO-, AI-, DI-, DO-, Resource Block are implemented and certified. Fint may additionally deliver:

Signal Characterizer-, Redundancy-, Lead Lag-, Ratio-, Setpoint ramp-, Analog Threshold-, Arithmetic-, Deadtime-, Input selector-, Integrator-, Bias Gain-, Flow Totalizer-, MAI/MAO-, Manual Loader block.

## Fint expands and moves to new facilities.



Over the last years we have experienced the need for larger and more modern laboratory and testing facilities. March 1<sup>st</sup> we moved our business to a location approximately 4 km from where we used to be. Communication facilities are brilliant and will represent easy access for visitors as well as employees. Our new address is: Ullern Alle 28, 0381 Oslo, and our telephone number is +47 22 13 19 10.

## Fint introduces new series of updated HART® protocol stacks

The new version has improved capabilities compared to the previous range of products.

### Master stack capabilities:

- HART 7.0 wired mode
  - Support for Delayed Response
- Platform: Renesas M16

### Slave stack capabilities:

- HART 7.0 – wired mode
  - Support for Slave family commands
  - Extended burst mode
  - Event reporting
  - Support for Delayed Response.
- Platform: Texas MSP

**With the introduction of the CPM, BTG instruments now offers HART® and PROFibus PA solutions for its pulp and paper instruments.**



BTG utilizes PROFibus PA's flexible diagnosis features to raise productivity and simplify operations in the Paper and Pulp Industry. BTG's new generation of sensors known as the CPM, serves as a one-stop communication platform that supports seamless communication with HART or PROFibus PA. Fint has developed the fieldbus capabilities that make the CPM flexible to use and with a modularity that allows support for both complex and simple instruments. Fint has provided a complete package including technology, development and configuration tool support (DD and DTM).

**Badger Meter is launching HART® and PROFibus interfaces for its ModMAG™ M2000 Mag flow meter**

The US company, Badger Meter, the leading water meter company, has chosen Fint as its provider of HART® and PROFibus DP technology. The transmitters have passed formal EMC testing and are about to be registered at PI and HCF. Fint has provided a complete package including technology, technology transfer, hardware and software development, test tools as well as development of DDs. The M-2000 combines a general purpose detector with an amplifier representing the next generation of electromagnetic flow meter signal processing.



**Typical applications:** Water and wastewater, well water and reclaimed water, bi-directional flow applications, chemical, pharmaceutical, and food and beverage applications

**Road show program for 2011:**

The road shows have over the years been a success and we continue this activity in 2011. The plan for areas to visit is presented below. If you would like to discuss fieldbus technology with us and learn about Fint's flexible solution on how to enter the fieldbus arena, please get in touch with us. We will do our outmost to include your facility on our visiting agenda.

- March: UK and Germany
- April: US Mid West
- May: Germany/Switzerland/Austria
- September: US South and US East Coast
- October: Germany/The Netherlands/Belgium
- November: US West Coast
- January 2012: US East Coast

**ATEX certification:**

Fint has been involved in several ATEX certification projects. Fint uses NEMKO in Oslo as the certification body. It is very convenient to work with NEMKO because its offices are in the neighbourhood. When ATEX is an issue for our clients Fint works closely with NEMKO already from the very beginning of the project in order to discuss and correct design at an early stage. NEMKO gives its recommendation under way.

Just recently Fint finished ATEX certification of one level device from Krohne that also included potting and an FF device from MTS in the US.

**Our products and services**

**Training kits**

Explain all you need to get started with HART, FF or PROFibus



**Build-in modules**

Fieldbus interfaces for sensors and actuators



**Fieldbus gateways**

Fieldbus communication modules in DIN Rail packaging



**Customized solutions**

Prototype samples in hardware & software



**Deliverables:** Complete hardware & software documentation - manufacturing drawings – training – certification consulting – large scale manufacturing of fieldbus components – customer service and support centre



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**Provider of Fieldbus Technology**