1st FDT Newsletter

March 2006

Open access to device intelligence
Dear FDT Subscribers

I am very proud to present the first issue of our FDT Newsletter. It will be issued on a quarterly basis to inform you about FDT Technology, FDT Events, the FDT Group, as well as the latest news on FDT-based products and applications of our FDT Group Members.

FDT Technology has come a long way since its birth in 1998. It has gained widespread acceptance in both factory and process automation industries, with a membership of more than 45 of the leading, most influential automation companies supporting FDT. Being a truly open technology, FDT provides open access to field device intelligence independent of device supplier, system, or communication protocol.

The FDT Group is constantly increasing its global presence. To compliment our European efforts a growing number of activities in both the United States and Asia are planned to increase its level of presence and create the basis for making FDT a truly global standard. Furthermore the FDT Group is also gaining professionalism, with a business office dealing with all internal and external customer requests (businessoffice@fdtgroup.org).

In the first issue of our FDT Newsletter, we would like to introduce the FDT Group, the FDT Technology, as well as our DTM certification process to you and we are happy to present articles of our members ABB Inc., CodeWrights GmbH, Endress+Hauser, Hilscher GmbH, Infoteam Software GmbH, Invensys, Metso Automation, M&M Software GmbH, Pepperl+Fuchs GmbH, Phoenix Contact GmbH & Co. KG, R.Stahl Schaltgeräte GmbH, Softing AG, Trebing & Himstedt Prozessautomation GmbH & Co. KG, Tyco-Valves & Controls and Vega Grieshaber KG. Furthermore, there are also permanent rubrics such as events and new members to keep you up to date on the latest news of the FDT Group. Of course the latest information is also contained on our website and should be consulted for updates between issues of the newsletter.

For any questions or queries regarding FDT, please contact info@fdtgroup.org

Hartmut Wuttig, Chairman
FDT Group AISBL
Chairman@fdtgroup.org
www.fdtgroup.org

New Members (Q1 2006)
The FDT Group welcomes its new members:
- abacon-IT GmbH, Germany
- Dearborn Electronics Pvt Ltd, India
- SAMSON AG, Germany
- Yamatake Corporation, Japan
- Zhejiang University, China

Events of the FDT Group
Participation Hanover Fair
24th - 28th April 2006
Hanover, Germany
FDT Group booth: Hall 11, booth A 22

Participation ABB Automation World 2006
9th – 11th May 2006, Houston, USA

Participation ACHEMA
15th - 19th May 2006
Frankfurt, Germany
FDT Group booth: Hall 10.2, booth H 41 – J 43

FDT Press Event
6th July 2006
‘Seehaus im englischen Garten’, Munich
Germany

FDT Roadshow
30th May 2006
NCI COM' SQUARE, La Défense Cedex, Paris, France

FDT Roadshow
21st September 2006
Aldhem Hotel, Grobbendonk, Antwerp, Belgium
The FDT Group AISBL

The purpose of the FDT Group AISBL is the joint support of the FDT Technology. It is a legally independent non-profit organisation, composed of currently 46 member companies from all around the world. The FDT Group was founded in 2005 in Belgium and replaces the former loose association of companies called ‘FDT Joint Interest Group’. This reorganisation was necessary due to a rising interest in the FDT Technology and an increasing number of members.

The FDT Group’s vision is the establishment of FDT as the leading open technology in factory- and process automation industries for engineering, management, and life cycle support of their installed assets. Its mission is the joint support and enhancement of the FDT Technology as well as the assistance of end users and suppliers regarding FDT-related topics and products.

Executives from ABB, Endress+Hauser, Invensys, Metso Automation, Omron, Rockwell Automation, Schneider Electric, and Yokogawa comprise the Board of Directors which is elected by all members and headed by a Chairman. It defines the overall goals and strategy of the group. The execution of this strategy and operational management are performed by an Executive Committee, appointed by the Board.

With currently 46 members the FDT Group represents the vast majority of large international automation vendors, plus several leading global end users such as Shell Global Solutions or Saudi Aramco. The member companies compose five different committees which are divided into various working groups. These Committees are Marketing, Technology, Administration, User Forum, and Associations & Standards. The FDT Group remains open to all companies that wish to participate.

The FDT Technology

Today, at least 60 companies are using FDT and more than 800 DTMs for different devices are available. FDT tools are in use in thousands plants worldwide. The FDT Group wants to achieve the status of an international IEC standard for the FDT specification by end of 2007, with the standardisation process already on going. Currently the FDT specification supports more than ten communication protocols (AS-i, ControlNet, DeviceNet, Ethernet IP, Foundation Fieldbus, HART, Interbus, MODBUS SL/TCP, PROFIBUS DP/PA, PROFINET IO, etc.) and more annexes are processed in the Technology Committee. Furthermore, a FDT Style Guide has been released in 2005, which ensures a consistent ‘look and feel’ for DTMs and satisfies ‘NAMUR’ requirements. The FDT Group certification process for DTMs has also been started in 2005, with the first certified DTMs listed on the group’s website www.fdtgroup.org.

For more information, please visit www.fdtgroup.org or contact the FDT Group via email (info@fdtgroup.org).

DTM certification started successfully

The certification of DTMs started at the end of 2005. Up to now a lot of DTMs were certified successfully. Most of them are registered on the FDT Groups Web Site (http://www.fdtgroup.org/en/06e_prokat/prokat-01-b.php).

The certification process starts already in the development phase of the DTM. The test tool dtmINSPECTOR is an integral part of the certification process. This test tool supports the developer in implementing and testing a DTM. The development phase ends at a successful test. After that the DTM Test Site starts its work: The formal certification test, which is also done with the official test tool dtmINSPECTOR. After a successful certification test, a test report will be created.

This report can be sent to the FDT Group’s Certification Office to get a certificate for the tested DTMs. Last but not least the certified DTM can be registered on the FDT Group’s Web Site within the product catalogue.

Well-known global companies in Factory and Process Automation use dtmINSPECTOR for quality assurance in DTM development and to prepare for DTM certification.

For detailed information, please contact www.mm-software.com or dtmINSPECTOR@mm-software.com.
ABB Inc.: FDT allows motor starters to be integrated into process control systems

In addition to traditional instruments, process automation systems also include increasing numbers of motor controllers. Today’s motor controllers have become ‘smart’ and are able to communicate using fieldbuses such as PROFIBUS or DeviceNet. As is the case for all intelligent field devices, the comprehensive functionality of the motor controller should be fully available in the process control system. One easy way to meet this requirement is to use the standardized FDT interface and the Device Type Manager (DTM). This example discusses how ABB’s UMC22-FBP motor controller is integrated into the control system, ABB’s System 800xA. The communications coupling of the UMC is set up using PROFIBUS DP, whereby the motor controller supports the cyclical and acyclic PROFIBUS services.

To boost availability, components required for the PROFIBUS coupling – such as controllers, interface modules, and cables can be designed redundantly. At user level, the UMC is represented in the system by a DTM, which has an intuitive graphical user interface that features aspects of Windows technology such as tab cards and pull-down menus. It supports all essential applications, such as configuration, parameterization/commissioning, and diagnosis, in various national languages. The continuous monitoring of device-specific diagnostics and status information quickly detects then alerts the user to changes such as reduced plant performance, errors, or component wear and tear. Maintenance processes are optimized by the direct connection to the computerized maintenance management system (CMMS).

For More Information on this topic, please click here.

CodeWrights GmbH: CodeWrights GmbH at Hanover fair/Interkama+

CodeWrights will be exhibiting at the upcoming Hanover fair/Interkama+ in hall 8, booth A29 in Hanover, Germany from 24-28 April 2006. As service provider within the factory and process automation industry we will present possibilities for device integration with both EDD- and FDT/DTM-technology. One focus will be the presentation of a software tool that enables device manufacturer to independently generate DTMs for their devices - DTMstudio®. Additionally the portfolio will be introduced to the market, such as an EDD-development tool and services including consulting and the implementation of individual projects according to customer needs. Visitors will get the chance to see live demonstration of the tooling and to get to know SmartWright – a new way to parameterize devices via Wireless-LAN in the field. Visit us at Hanover fair – we are pleased to set up an appointment with you. If you require more information about CodeWrights GmbH and our portfolio, please visit the website www.codewrights.biz – we are also glad to send you our company brochure.

Please contact us: CodeWrights GmbH, Stefanie Schattling, Am Stadtgarten 1, 76137 Karlsruhe, Germany
Tel: +49 721 352399-43, Fax: +49 721 352399-99, info@codewrights.biz, www.codewrights.biz

Endress+Hauser: Endress+Hauser FieldCare 2.02.00

FieldCare is Endress+Hauser's Plant Asset Management system. FieldCare supports the user during the life-cycle of the plant (Plant View, Placeholders, "Tag" management) and the life-cycle of the instruments (Document Management, Web enabled Asset Management).

FieldCare Version 2.02.00 includes the following enhancements:
• Guided installation of all FieldCare components
• Automatic connection of HART devices
• User guidance for connection of PROFIBUS devices
• Scanning wizard for macro that automates network generation
• Condition Monitoring solutions for field instrumentation
• additional DeviceDTMs
• additional CommDTMs
• Increase of performance

DTM Certificates: The Endress+Hauser DTMlibraries for HART and Profibus have become certificates. Those libraries are supporting over 100 Endress+Hauser device types.

For more information visit www.products.endress.com/fieldcare or contact you local Endress+Hauser sales representative.

3rd party integration into FieldCare
System integration tests with CEAG DTMs for Remote I/O have been performed. The commonly approved tests where positive and a manufacturer declaration has been made. Our Fieldbus laboratory located in Reinach / Switzerland is ongoing performing integration tests with 3rd party DTMs thus Endress+Hauser offer complete system solutions including 3rd party device integration.
Today, users expect an integrated engineering tool for their automation installations. Besides the actual programmable control system programming, the design of the communication structures as well as the configuration and diagnostics of the individual devices are the central functions. With the SYCON.net, Hilscher offers a modular configuration tool that carries out these functions based on the FDT/DTM technology and is easy to integrate in the form of Plug-Ins.

**Motivation**

The market today demands more of a network configurator than the definition of the network participants with their IOs. Among others, this is

- Completely integrated into the system engineering with common project administration, data retention and service interface
- Open standardized interfaces for the various communication systems and devices from different manufacturers
- Desktops that are unified and acceptable by the automation users

With the completely newly developed SYCON.net, which has meanwhile become the third generation of the network configurator, Hilscher presents a solution that is based completely on the FDT/DTM technology. It consists of several modules that are described in more detail in the picture:

**netDevice – the FDT Framework**

The netDevice module is a FDT-Container according to specification V1.2 and V1.2.1 with the usual functionalities such as device catalogue and depiction of the network in tree form. In addition, there is a graphic desktop for the topology that corresponds to the functions of the tree view. Here the tree can be freely structured with icons and lines. netDevice is started as an ActiveX control element from an overlaid application. Such an application, for instance is Multiprog from the KW-Software Company or the netFrame components of the SYCON.net as a “stand alone” application.

**netConnect – the connection between FDT and SPS**

For integration into primary systems there is an allocation of the physical process data to the logical variables of the programmable control system. Here, for instance, the global variables of a programmable control system are linked directly with slave process data on a network and can be checked for consistency.

**Perspectives**

In development are further DTMs for Ethernet based communication such as PROFINET IO and Ethernet/IP. This shows the advantages of FDT/DTM, with its ability also to show network transfers in the field bus world.

**Conclusion**

SYCON.net shows in a simple manner the integration of FDT/DTM technology in own engineering. Thus, the available COM and XML interfaces can be used in order to ensure a consistent data retention and to save the user repeated entries. The experience gained so far shows that FDT/DTM is able to cover all aspects of network configuration and by means of the defined interfaces, the DTM Styleguide, the independent test and certification possibilities and not least, the meanwhile large number of automation manufacturers in the FDT Group, Hilscher sees in the FDT/DTM, the international standard for network configuration.

For this reason we feel ourselves confirmed as correct when three years ago we developed the new generation of our SYCON on the FDT/DTM.
The development of new Device Type Managers has always been regarded as too time consuming and therefore too costly by its critics. Here comes the new DTM library from infoteam Software into action, as this delivers ready made solutions for complex DTM’s. It provides all the standard interfaces to the FDT framework and an off the shelf design for the graphical user interface, which is compliant with the FDT Group’s latest DTM-Style guide definition.

**DTM Functionality**

DTM’s allow full device functionality to operate within a wide range of control systems, independent from the supplier. Its design features and unique diagnostic capabilities provide superior performance to anything else on the process control diagnostics market. To develop a new DTM for a specific device is a demanding and complex task, only successfully performed by specialists.

**Infoteam DTM class library support**

To make DTM development fast and easy, infoteam provides complete C++ class libraries for customized DTM development together with FDT/DTM technology transfer workshops. Besides trainings and seminars they also offer software development services to deliver any DTM developed to OEM specifications based on their class library. The DTM class library is fully compliant with DTM style-guide specification V 2.0 published by the FDT Group under co-operation of infoteam Software. It is especially designed to facilitate a fast and reliable development of high-end device tool managers. This is especially important if the fieldbus device uses dynamic data representations and dependencies between process parameters or is configurable to serve different application scenarios. Further information is available under www.infoteam.de.

**Invensys: BP Refinery in Gelsenkirchen to install Foxboro I/A Series Version 8 with FOUNDATION Fieldbus and FDT technology**

BP Refinery has been a long-time Foxboro user, initially running Foxboro’s SPECTRUM system and later upgrading to the I/A Series system in the early 1990’s. In planning for a new Sulphur Recovery Unit and Reformat splitter at their Gelsenkirchen refinery in Germany, BP once again turned to Invensys Foxboro, who is the first control system vendor to offer both FDT and enhanced EDDL technology for FOUNDATION fieldbus systems. BP and Invensys will be the first to implement these two new technologies in the pilot project which will employ more than 1000 FOUNDATION fieldbus instruments.

By using Foxboro’s new field device management tool with FDT, BP is looking forward to better analysis and diagnosis of their existing plant assets, e.g. field devices, pumps, motors, etc., as well as having a more transparent view over the plant status. The online direct access to the process and field device status information will reduce the operating and maintenance cost of the plant. BP Global and Invensys Process Systems have established a partnership for process automation and plant asset management, utilizing this project to define a new guideline and specification for all new upcoming projects using fieldbus technology worldwide. Plant start-up is scheduled for November, 2006.

**Metso Automation: New Metso Automation Device DTMs available free of charge**

Metso Automation Device DTMs (Device Type Managers) version 1.8 is free software, which provides a user interface for the configuration, monitoring, calibration, diagnostics and testing of Metso Automation’s intelligent valve controllers and consistency measurement products in any open, FDT-compliant (Field Device Tool) host system. The company continuously develops valve controllers and consistency measurement products with diagnostic capabilities designed to maintain loop performance throughout the lifecycle and to avoid unscheduled process shutdowns. FDT/DTM technology is an excellent tool to display this information in any FDT-based system. Metso Automation Device DTMs version 1.8 can be downloaded free of charge from www.metsoautomation.com/fieldcare.

These Device DTMs provide a user interface for various models and versions of Metso Automation’s intelligent valve controllers Neles ND9000, Neles ND800 and VG800 (Neles ValvGuard) as well as for their valmetSP, smartLC, kajaaniMCA and kajaaniROTARY consistency measurement products.

For more information, please contact marko.rissanen@metso.com, tel. +358 40 569 8489.
M&M Software GmbH: DTM-Certification test by the FDT-Specialist

M&M Software, the specialist for Software service in the automation sector and FDT, is one of the first DTM Test Sites accredited by the FDT Group worldwide. With a certification test done at the M&M Software test lab, device manufacturers can have the FDT conformity of their DTM certified by the FDT Group. The inclusion in the catalogue of certified DTM in the FDT Group’s Website is also possible. The implementation of the certified DTM in accordance with specification is thereby officially confirmed and published and means a not to be underestimated competitive edge for the device manufacturer. The certification is based on a test performed with the test tool dtmINSPECTOR. The dtmINSPECTOR is also ideally suited for the DTM Quality assurance and the preparation for the certification test. The Testtool can be procured from M&M Software.

For more information about FDT, DTM-Certification and Software Service, please visit our Website at www.mm-software.com or go directly to TestLab@mm-software.com.

TCI integration into fdtCONTAINER Product family!

Currently M&M works on the next innovation: The integration of TCI into fdtCONTAINER. At the HMI/INTERKAMA 2006 M&M plans to present a prototype with TCI support. M&M offers much more interesting information about FDT/DTM at the Trade Fair HMI/INTERKAMA 2006. Visit M&M at Hall 9, Booth H40 or just now at www.mm-software.com.

PEPPERL+FUCHS GmbH:

The KF**-GUT-Ex1.D - Combine a limit value sensor with a temperature measurement transducer, and a device is created that, in addition to 4-20 mA analog signals, can also generate switching commands from field temperature measurements. The KF**-GUT-Ex1.D is suitable for platinum or nickel measurement resistors and thermocouples. Internal or external cold junction compensation is available with thermocouples – and a plausibility test is conducted via a second measuring input (compared to the measured temperature of an additional thermocouple). Switching points and the maximum reference measurement deviation are set by the user in plain text on the display. The KF**-GUT-Ex1.D does everything else alone, including the galvanic isolation and limitation for intrinsically safety applications.

PACTwareTM ensures user-friendly access to the KF**-GUT-Ex1.D. PACTwareTM uses the FDT software interface. PACTwareTM makes it possible to use many versatile features such as status monitoring and alarms, interactive functions and graphical objects such as trend curves, time diagrams or device-specific online help.

PHOENIX CONTACT GmbH & Co. KG: Phoenix Contact Chooses FDT/DTM

In the PC WorX engineering system from Phoenix Contact, which is used to program and configure AUTOMATIONWORX control systems, FDT/DTM technology is being incorporated in the form of the interface for integrating device software tools. User-friendly parameterization for proprietary and third-party devices is thus supported. Since FDT/DTM is not yet supported by all engineering systems, Phoenix Contact will in the short-term also offer an FDT container free of charge in the form of AutomationXplorer+ software, which also operates the TCI (Tool Calling Interface) and can thus be started via TCI. Device manufacturers can use this solution to connect their device DTM to an engineering system with TCI without additional development effort. @utomationXplorer+ represents the link between FDT-supported and conventional solutions. With the development of DTM for their devices, device manufacturers will always arrive at the right decision thanks to @utomationXplorer+. In addition to existing communications and gateway DTM for INTERBUS and HART, Phoenix Contact also develops device DTM, e.g., for the ELR-MM and EMM motor management modules. Uniform and consistent integration of motor management (MM) devices in engineering tools and control systems is thus possible.

The ELR DTM offers:

• A description of the cyclic data and the device parameters
• Device-specific configuration, parameterization, and diagnostics
• Standardized interface for the engineering tool
• Full device function support Free device selection
• Reading of system-typical active power curves and their graphical evaluation for motor and system protection

For additional information, visit www.phoenixcontact.com.
With the HART Gateway DTM in IS1 on the basis of the PROFIBUS DP V1 HART specification, information from all HART field devices can be exchanged through the Remote I/O system with all FDT frame applications.

New Version 2 DTM supports automatic topology generation using a bus scan. HART field devices can be entered in the project topology of the FDT master automatically – if supported by the frame application. The PROFIBUS DP V1 master can search through the entire address space of a PROFIBUS network and insert the DTM corresponding to the DP or PA devices found into the project topology of the FDT master. The user is now provided with diagnostic information from the remote I/O system, which returns detailed information on any transmission problems. With the new function “HART Live List” you can now check which inputs and outputs are used by the HART field devices regardless of the maintenance system connected. Using the "Identification and Maintenance" function, you can read all hardware and software version information from all modules. The new online help system, available in German and English, provides users with support and information to facilitate error-free parameterisation of the system.

The HART gateway DTM for the Remote I/O System IS1 is available in various versions for different configuration stages. There is a free demo-version available that is restricted to only one parallel communication channel to HART field devices. The demo-version can be downloaded [www.is1easy.com](http://www.is1easy.com).

SoFting AG: PROFltdtm V2.0 with Integrated Live List - Certified by the FDT Group

SoFting's PROFIdtm facilitates the commissioning and maintenance of field devices considerably. It's a PROFIBUS communication DTM (Device Type Manager) according to FDT (Field Device Tool) standard. Any devices with a DTM provided by the manufacturer can be configured and parameterized with PROFIdtm without any programming effort or annoying reading of manuals. By actively scanning the entire PROFIBUS address space, PROFIdtm detects all devices that are connected in a plant. The found devices are added to a "live list" and displayed in the engineering tool together with their names, addresses and PROFIBUS identification numbers. The DTMs that match the PROFIBUS IDs can be automatically loaded into the engineering tool. The parameterization and diagnosis of devices can thus be performed immediately, practically without manual operation. By selecting a device from the live list, the user can display device data such as the hardware and software versions, serial number, or manufacturer-specific properties. You can change the physical address of a device directly from the live list.

Besides the parameterization and diagnosis of PROFIBUS devices, PROFIdtm also provides access to HART devices via remote I/O. The 2.0 version can also be used in conjunction with PROFlusb, SoFting's new PROFIBUS USB interface. PROFIdtm with PROFlusb is particularly well suited for mobile parameterization and maintenance with a laptop. PROFIdtm was tested with PACTwareTM, FieldCare by Endress + Hauser, 800xA and SmartVision by ABB, CX Profibus by Omron, fdtCONTAINER by M&M and FDT Navigator by Moeller. More information: [www.softing.com](http://www.softing.com).

Trebing & Himstedt Prozess-automation GmbH & Co. KG: DTM Library for SIMATIC NET, New: all DTMs on one CD

Trebing & Himstedt is now offering an extensive library of DTMs for important Siemens components, which can be implemented into all FDT frame applications (such as PACTware, FieldCare). The library includes the CommDTM PROFIBUS, the GatewayDTM SIMATIC DP/PA Link and the new GatewayDTM for SIMATIC ET 200. The CommDTM PROFIBUS, functioning as a device driver for Siemens CP components CP5511/CP5512/CP5611, connects the PC card with the PROFIBUS net. The communication with the devices connected to the DP/PA Link and with the HART devices connected to the SIMATIC ET 200 is enabled by the corresponding DTMs. This manufacturer-independent form of device configuration considerably facilitates the planning, projecting, parameterization and implementing as well as diagnosis and maintenance of different field devices, particularly in existing installations.

xEPI – ETHERNET-PROFIBUS-INTERFACE - Configure your field devices through Ethernet

The compact xEPI gateway allows easy connection of PROFIBUS networks to Ethernet. It supports a large number of international open standards or de-facto standards on one single hardware platform, including FDT, EDD (AMS Emerson), PROFINET, PROFIdrive and OPC. Thus, various configuration tools of leading manufacturers such as FieldCare of Endress+Hauser, PACTware or AMS Emerson can be operated with the same device platform. The compact gateway allows highly cost-effective and manufacturer-independent solutions and the realization of flexible concepts for continuous vertical integration of production processes. The xEPI forms the basis for modern field devices and Asset Management approaches with central configuration, calibration, diagnosis and Condition Monitoring.
The SmartCal positioner has always been as versatile as a positioner can be. In Ex and non-Ex applications, this robust positioner can be used for single and double acting pneumatic actuators. Thanks to the remote control option it remains accessible even if the valve does not. The standard package includes a LCD display, an integrated position feedback signal and a 4-20mA current input that supports the Hart protocol.

Thanks to the Hart communication and the recent developments of FDT/DTM technology, you're now able to integrate this unit to your Asset Management System. All required functionality has been included: configuration of all parameters, calibration of the sensor and configuration of the internal PID controller. The process data i.e. control signal, actual position, air pressure, etc. is displayed at all times and can be displayed in a trend curve. In addition to the configurable alarms, the trend curve informs you about the process condition and valve performance. Should a problem occur, then it’s possible to log the data and use it within Excel for further analysis. Additional features include the hysteresis check and calibration verification. The DTM also includes the latest documentation in order to assist you when you need help.

The SmartCal DTM is part of the ValveGuru software package. The software can be used with PACTware® (included), or integrated with your FDT application.

Please visit the Tyco web site www.tycovalves-eu.com for more information or contact our local sales office for a free copy.

VEGA Grieshaber KG: VEGA one of the first companies to provide certified DTMs

As the first company to do so, VEGA introduced in August 2002 DTMs acc. to the FDT 1.2 standard. This was a successful move, because since then, FDT/DTM technology has experienced rapid development.

Founded in early 2003, the present FDT Group has meanwhile over 40 member companies, to which VEGA also belongs. Yet many other manufacturers are also introducing DTMs to the market. It is therefore very important to have the quality of the DTMs certified by an official test procedure. The FDT group developed such a standardised test procedure. The guidelines for this test procedure were determined and the certification utility is recently available for use. VEGA was one of the first companies to undergo the certification process. VEGA initiated the certification of all DTMs for adjustment of plics instruments with 4...20 mA/HART or PROFIBUS PA interface acc. to the guidelines of the FDT group. The certificates for the product lines VEGAPULS 60, VEGALEX 60, VEGASON 60, VEGABAR 50/60 and VEGACAL 60 are available in the download area. Please use the following path: »Downloads»Software where you will also find the current DTM collection 10/2005 with all necessary components required for instrument parameter adjustment.

New DTM Collection 10/2005 from VEGA

Beside the latest update of PACTware 3.0, DTM Collection 10/2005 also contains new instrument interfaces. Completely new are the DTM for VEGACAL 69 as well as the full-fledged VEGALOG DTM, which enables the combination of Profibus PA sensors (acc. to Profile 3) with VEGALOG. Functional enhancements for VEGAMET 624 and VEGASCAN 693 were also added, as well as a facility to enable operation of most HART sensors in safety-relevant measuring systems acc. to SIL 2 and 3. The new DTM Collection can be downloaded as a whole or as individual software components from our homepage free of charge. The VEGA DTM documentation of the supported instruments as well as the version history is also included in this directory: Services »Downloads»Software»DTM-Collection + PACTware™

Alternatively, you can directly order the CD with the new DTM collection at a price of € 50.-. Send us an E-mail to info@de.vega.com or get in touch with your contact person at VEGA. Would you like to stay informed about the newest versions of the VEGA DTM Collection? Simply enter your name in our mailing list. You will find this list under Services »Downloads»Software»DTM-Collection +PACTware™»Mailing-List.

plics® sensors are released in ABB 800xA control system

plics® sensors with 4 ... mA/HART-, PROFIBUS PA- and Foundation Fieldbus interface are released in ABB 800xA control system with appropriate DTMs. Further information you will find under: www.abb.com.
Look forward to the next issue of our FDT Newsletter end of June 2006!

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If you require additional information or have any comments on this newsletter, please do not hesitate to contact us:

info@fdtgroup.org

More than 45 of the leading, most influential automation companies support FDT.

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