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TODAY'S NEWS TODAY!



ON A COMPUTER NEAR YOU
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NEXT ISSUE
20 MAR 2016

Europe's Irish innovation Yokogawa delivers control system to hybrid-flywheel energy storage plant in Rhode

Yokogawa Ireland has delivered a control system for Europe's first hybrid energy storage plant in Rhode, County Offaly. The hybrid energy storage plant was officially launched and opened on November 4th by **Schwungrad Energie**, the owner and operator of the facility. Schwungrad Energie has developed this hybrid power storage system in collaboration with the Department of Physics & Energy at the **University of Limerick**, and will work with the Irish transmissions system operator to connect the plant to the power grid as a demonstration project under its Smart Grid Programme.

The Rhode hybrid demo project comprises of two Beacon Power 160 kW flywheels and Hitachi Chemical valve regulated lead acid batteries of up to 160 kW. The plant will have a maximum import capacity of 400 kVA and maximum export capacity of 422 kVA when completed. The flywheel system, with very high cycling ability, can rapidly absorb short-term excess grid energy and generate energy as needed by grid operators. Batteries can provide energy over longer durations but have more limited cycling capabilities. The hybrid flywheel will assist in disruption



Marcella Corcoran Kennedy TD, Chairperson of the Oireachtas Committee on Jobs, Enterprise and Innovation enthusiastically cuts the ribbon at the launch of the unique facility in Rhode in the presence of Chihiro Atsumi, Japanese Ambassador, and Nigel Reams, MD Schwungrad Energie, both to her right and other dignitaries.

mitigation, during times of unexpected demand or sudden changes in energy supply/demand. After the completion of construction, the plant will enter a test operation phase from February 2016. The Schwungrad Energie plant will be the first field test of a hybrid-flywheel energy storage system in Europe.

Yokogawa delivered the FA-M3V high speed controller and the FAST/TOOLSTM SCADA software to monitor and control the amount of energy that is stored in the flywheels and the charging-discharging of the lead acid battery. In addition, Yokogawa provided an Exaquantum™ plant information management system that allows

Schwungrad Energie to historicise and analyse plant data whilst easily transforming this data into usable, high-value, widely distributed information. The company was also responsible for the engineering, installation, and commissioning of these solutions.

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CORRECTION

intelcontrols.ie
BUILDING PERFORMANCE

We erroneously gave the incorrect URL for Intelligent Building Controls' website in the last issue. The correct URL is intelcontrols.com. We regret any confusion that our mistake has created.



National Manufacturing & Supply Chain Conference & Exhibition

CITYWEST HOTEL
January 26th
2016

Creating an Innovative Manufacturing & Supply Chain Eco-System

Colin Murphy on an important event scheduled for Tuesday, January 26th at Dublin's Citywest Hotel.



In line with its new found status as an All-Ireland 'must-attend' annual event, the **National Manufacturing & Supply Chain Conference & Exhibition** has switched to a larger and more conveniently placed venue, moving from the Aviva Stadium to the Citywest Hotel, Ireland's premier conference venue. The one-day event is expected to attract over 2,000 delegates from across Ireland with 100 exhibitors offering over 2,000 products and services.

The Citywest Hotel complex with its easy access and free car parking is strategically placed to host All-Ireland events of this nature.

Designed with the objective of connecting key stakeholders across the full spectrum of Irish manufacturing, including the food, pharmaceutical, medical, chemical, life sciences and electronics manufacturing sectors, the third National Manufacturing & Supply Chain Conference & Exhibition will be held on January 26th, 2016.

The Conference is held in conjunction with an Exhibition of the latest processing and supply chain technology available to Irish industry. Suppliers from all key industrial sectors will be exhibiting at the 2016 event.

National Forum

Now in its third year, The Conference & Exhibition provides a forum for manufacturers and operators involved throughout the supply chain from across Ireland - North and South - to gather to discuss pressing issues facing Irish industry.

The theme of the 2016 event is 'Creating an Innovative Manufacturing & Supply Chain Eco-System' and an impressive line-up of speakers from manufacturing, academia and government agencies will explore the key problems, challenges and opportunities facing Irish industry.

A list of 75 speakers is currently being finalised along with the various free workshops and 20 supporting associations. The speakers at the Conference have been carefully selected from senior management within Irish industry and academia, who have a successful track record of delivering quantifiable results in sustainable manufacturing and throughout the supply chain, and who can offer delegates a clear pathway to enhancing competitiveness and innovation.

Speakers at The National Manufacturing & Supply Chain Conference & Exhibition 2016 include: **Colm J Murphy**, Senior Human Resources Manager at Hollister ULC; **Arthur Stone**, CEO of OEEsystems; **Richard Bruton, TD**, Minister for Jobs, Enterprise and Innovation; **Dr Richard Keegan**, a specialist in the areas of

Lean/World Class Business and Benchmarking with Enterprise Ireland; and **Liam Cassidy**, Managing Director of LCL Consult Ltd. Representatives from Pfizer, Lake Region Medical and Mondelez International will also be speaking at the event.

New For 2016 - Jobs Expo

A new feature at the 2016 event is the Jobs Expo area, dedicated to highlighting the many employment opportunities currently available throughout the Irish manufacturing and supply chain sectors. This purpose-designed jobs, employment and recruitment section of the National Manufacturing & Supply Chain Conference & Exhibition will act as an interface between suitably qualified job seekers and representatives from both national and international companies with vacancies. With many businesses experiencing skills shortages, the new addition is timely.

Networking Opportunity

The National Manufacturing & Supply Chain Conference & Exhibition 2016 will provide an ideal forum for meeting Government agencies and supporting associations, and gaining free advice from experts. It will also provide networking zones to connect buyers and suppliers. The layout of the Conference & Exhibition is intended to maximise the opportunity for delegates to network and make new contacts.

www.manufacturingevent.com

Yokogawa from page 1

Backed by this project, Yokogawa will actively continue in its efforts to win orders and strengthen its position in the power industry through the provision of grid-connectable power storage systems and other solutions that can help to build a sustainable society.

www.yokogawa.com/eu



At opening of Schwungrad Energie plant in Rhode - LtoR: **Hiroyuki Ogata** (Business Development Manager Power & Energy – Yokogawa Europe B.V.), **Nigel Reams** (Managing Director – Schwungrad Energie), **Chihiro Atsumi** (Japanese Ambassador to Ireland), **Simon Rogers** (Managing Director – Yokogawa UK & Ireland), **Donal Bourke** (Manager – Yokogawa Europe Branches B.V. Ireland.)

Acquisitions

Emerson has acquired Spectrex Inc., a leading manufacturer of flame and open path gas detectors. With this addition, Emerson Process Management will have the most comprehensive line of flame, gas and ultrasonic leak detector solutions used for safety monitoring in the industry.

The company has also acquired IntelliSAW Inc., a leading provider of systems that protect electric power transmission and distribution equipment by measuring and monitoring temperature, humidity, and partial discharge using advanced sensor and analytic technologies.

Both acquisitions will join the Rosemount® portfolio of measurement and analytical technologies.

<http://bit.ly/1ZOBJWJ>

More company news page 3

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Move

Xetec Ltd has recently moved and the new address is 4 Fitzwilliam Tce, Bray, Co Wicklow.

Telephone is unchanged 01 276 0635

www.xetec.com

“Open Integration”

As an “Open Integration” partner, R. STAHL helps facilitate a quicker and more comfortable integration of devices and components sourced from a diverse range of manufacturers into process control systems. Aside from R. STAHL and program initiator Endress+Hauser, seven other renowned companies have also joined the program. The “Open Integration” partners intend to raise the bar for conformity and interoperability tests. First, they

will work with end users to define reference topologies for specific areas. Field devices and system components are then selected to ensure excellent compatibility, and the combination as a whole is validated. This process provides tested, documented recommendations for configurations that support open communication and integration standards (HART, PROFIBUS, FOUNDATION Fieldbus, EtherNet/IP, PROFI-NET and FDT, EDD, FDI, respectively) and reliably meet the requirements e.g. regarding explosion protection, availability or redundancy in various kinds of applications. The program supported by R. STAHL, Endress+Hauser, AUMA Riester, HIMA Paul

Hildebrandt, Honeywell Process Solutions, Mitsubishi Electric, Pepperl+Fuchs, Rockwell Automation and Schneider Electric was officially presented at the SPS IPC Drives 2015 exhibition in November. Further partners who support open standards are welcome to join “Open Integration”.

Stahl products are marketed in Ireland through Douglas Controls & Automation.

www.douglas-esl.ie

System Integrators – Business Development Opportunity

As part of an ambitious development plan over the next five years, Intelligent Building Controls Ltd, exclusive distributors of Trend Controls Ltd building management

systems in the Republic of Ireland, is inviting applications from companies to become System Integration Partners.

If you are interested in joining a dynamic experienced partnership utilising premium products incorporating market leading technologies then please contact

gillian.kerr@intelcontrols.com

for information pack and application procedure.

intelcontrols.com

Daily Automation News on line @ read-out.net

Chemical and Petrochemical industries brochure



The chemical and petrochemical industries make extremely high demands on all instruments used within the process. The valued precision and quality of WIKA's time-proven products ensure maximum plant availability to customers.

Particularly in applications with aggressive media, in combination with high media temperatures, individual solutions with diaphragm seal assemblies or thermowells are essential. There is an equally large variety with the requirements of level monitoring in tank farms. Their programme of pressure, temperature and level measuring instruments, as well as calibration instruments and services are featured.

The brochure provides an overview of the broad range of products and services for the chemical and petrochemical industry. Information on the topics of instrument requirements (approvals, materials, functional safety) as well as process adaptations of measuring instruments by use of diaphragm seals and thermowells and the most important welding procedure tests. WIKA products are marketed in Ireland by Instrument Technology.

www.itl.ie

MICRO-FLO DIGITAL PADDLEWHEEL FLOWMETER
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14 R&D <input type="checkbox"/>	1+ <input type="checkbox"/> 25+ <input type="checkbox"/> 100+ <input type="checkbox"/> 500+ <input type="checkbox"/>	
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16 Recruitment <input type="checkbox"/>	Member ISA <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
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LOW PRESSURE SENSOR



ROTRONIC, whose products are marketed here through **Hanley Controls**, has expanded its measurement parameters still further with the introduction of a low pressure sensor with analogue output for controlling processes as well as other applications. The Rotronic BF220 absolute pressure transmitter with piezo-resistive steel sensor, robust stainless steel body and 1/2" G fitting is ideal for pressure measurement in neutral gases and nitrogen in piping and closed vessels. The transmitter is particularly suitable for applications with fast temperature changes and in compressed air lines, HVAC and pneumatic systems. The transmitter has a measurement range of 0 - 10 bar and specified accuracy of 0.25% full scale; the protection rating is IP65. For compressed air monitoring systems Rotronic can also offer a high precision low dew point sensor (Rotronic product code HC2-LDP).

www.hccl.ie

Manotherm Limited

The Control Centre

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Dublin 12.

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email: info@manotherm.ie



THE CONTROL CENTRE

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Energy efficiency



Festo has published Energy efficiency@Festo, a new guide, available free for downloading, which details a number of ways that plant managers can improve efficiency in their pneumatic production processes by up to 60.

The guide provides detailed information about efficient technologies, that will ensure machines and systems consume fewer resources and less energy. Reducing CO2 emissions as well as operating costs leads to an increase in the sustainability of production processes and therefore a company's overall

productivity. "Environmental consciousness, corporate responsibility and the balance sheet are all key drivers for increasing energy efficiency," says Steve Sands, product manager at Festo. "In this guide we focus on advising plant managers on how they can implement measures to reduce energy wastage, with in-depth statistics and details about compressed air technology."

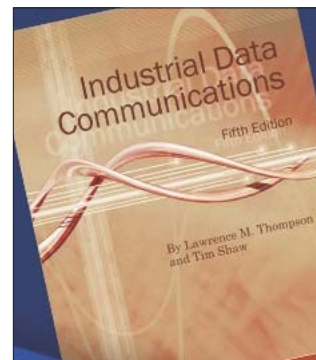
The top five tips to saving the most energy are:

1. Using energy saving circuits, for example Festo's OVEM closed loop vacuum generators monitor vacuum levels and only expend air when required, typical savings are 60%
2. Correctly sizing drives and tubing – reducing to the next smaller piston diameter can decrease energy consumption by approximately 35%
3. Reducing switching line tube lengths – savings up to 25% can be achieved

4. Isolating circuits in standby or shutdown modes – eliminating flow of air in systems at a standstill can provide savings of 20%

5. Reducing the weight and friction of moving elements has a major affect particularly on multi-axis systems where initial over-sizing becomes compounded – up to 18% energy saving can be realised. www.festo.co.uk/energyefficiencyatfesto.

Industrial Data Communications



In response to fast-evolving communications and wireless technologies and the increasing

risk of industrial cyberattack, the International Society of Automation (ISA) has published a fifth edition of its best-selling book, Industrial Data Communications.

"Given all the emerging changes—in such areas as Ethernet-IP and routing, wireless technologies, VPNs, software applications, cyber-security, and other key areas—it's important that automation professionals have a solid understanding of industrial communications and the know-how to utilise modern communications technologies in a safe and secure manner," emphasises Lawrence (Larry) M. Thompson, who along with William T. "Tim" Shaw co-authored the book.

Improving safety and security in industrial data communications are essential, Shaw asserts, given the current cyber-vulnerability of today's industrial systems, equipment and networks.

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“Automation systems and applications today are making greater use of converged IP-based LANs and wireless networking,” he points out. “They must be kept secure from malicious cyberattacks. Adequate cybersecurity is no longer a desirable feature, but a management requirement. This book is one way that automation professionals can increase their awareness of vulnerabilities as well as the methodologies and technologies that can be applied to establish and maintain adequate cybersecurity.”

The newly revised book also serves as a comprehensive overview and reference guide for both novice and experienced users of industrial communication data - containing complete descriptions of relevant concepts, terminology, operating system considerations, standards and protocols as well as an index.

www.isa.org/books

IoT & Explosion of Data



National Instruments has announced the release of NI Trend Watch 2016. The third annual report examines a range of topics focused on the IoT and its impact on how we manage data – from the consumerisation of software to prototyping 5G to make it a reality.

“As the world becomes more connected, the incredible amount of real-world data available today promises engineers and scientists great insight, but getting that insight



Maria Kenaney (left) with Claire Nowlan, recently joined Plato, a network for owner managers. The company which has been a stalwart of the instrumentation business for over 25 years, employs 11 people providing temperature monitoring equipment to the pharma & food sectors.

www.rototherm.com

can be a challenge,” said **Eric Starkloff**, NI Executive Vice President of Global Sales and Marketing. “We strive to help our customers stay ahead of the deluge of analog data by investigating the trends that will help them handle the increasingly complex amount of information they’re acquiring.

ni.com

Quick Start Guides

Precision Digital Corporation, marketed in Ireland by **PJ Bonner & Co**, has announced the release of a new series of Quick Start Guides for its most popular displays and controllers. Each guide is 8-12 pages of information designed to get the end-user up and running quickly without having to navigate through a complicated manual.



A printed copy of each product's Quick Start Guide is included with Precision Digital's most popular digital panel meters: the ProVu® PD6000 Process Meter, the PD6200 and PD6300 Rate-Totalisers, and the Trident and Trident X2 Process Meters. “The new Quick Start Guides

contain all the product information needed by plant personnel to perform a quick installation with the least amount of downtime,” said **Jeffrey Peters**, President of Precision Digital. “These guides make for straightforward installation and effortless operation.”

These Guides help users familiarise themselves with the buttons and basic functionality of the panel meters. Basic wiring instructions are included for inputs, outputs, relays, and power connections. Information is also included about programming and scaling the meter's inputs, as well as programming the relays for automatic reset. Operators can learn how to properly program the meter's 4-20 mA output and set up custom tags, units, and password protection.

Selected advanced functions, such as pump alternation control, round horizontal tank gauging, and multi-point linearisation are also addressed. Additional features, including process rounding and noise filter programming, are available. In the event of a confounding programming error or new setup, instructions are provided to return the meter to factory default settings.

www.pjbonner.com

HMI for Maritime



Red Lion Controls, represented in Ireland by **Instrument Technology**, has announced that its rugged Graphite® Human Machine Interface (HMI) operator panels have been tested to meet ABS (American Bureau of Shipping) standards. ABS approval assures equipment is safe for operation in a manner that protects life, property and the marine environment when used in shipboard and offshore settings.

Their modular Graphite HMIs have been ABS tested and approved to monitor and control equipment in maritime applications that range from workboats to offshore energy and gas vessels. In these marine environments, Graphite HMIs provide reliable functionality that helps drive operational efficiencies as well as adhere to international standards for environmental performance. “Following the success of Graphite HMIs in land-based oil and gas applications, ABS approval now enables us to meet the demands associated with maritime and offshore markets,” said **Jeff Thornton**, director of product management at Red Lion Controls. “With support for more than 300 industrial protocols, our rugged HMIs enable customers to confidently integrate powerful monitoring and control functionality into multi-vendor maritime environments.”

In addition to ABS approval, Graphite HMIs are Underwriters Laboratories (UL) Class I, Division 2 listed for

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hazardous locations and ATEX and IECEx zone 2/22 approved for potentially explosive environments. With rugged aluminum construction, a wide operating temperature range and flexible plug-in modules, Graphite HMIs enable customers to connect, monitor and control processes in several industries to meet varying industrial automation requirements in both factory and extreme locations.

www.itl.ie

BMS controller



Building on the outstanding success of its IQ@4 range of controllers, Trend Control Systems, has launched IQ@4E,

a state-of-the-art Building Energy Management Systems (BEMS). "This is a NEW faster and easy to integrate BACnet controller!" they declare.

Flexibility, functionality and fast performance packed into an extremely small footprint, without compromising on features. The IQ@4E is 40% smaller than the IQ@3xcite and, in addition, the use of vertical connectors means trunking can be situated immediately alongside the controller, saving even more space.

Designed to build upon Trend's existing IQ@2 and IQ@3 ranges, IQ@4E enable applications of all sizes to benefit from its best in class technology. The ability to upgrade between the point variants provides increased flexibility, and the increased performance enables the more complex HVAC applications to be controlled.

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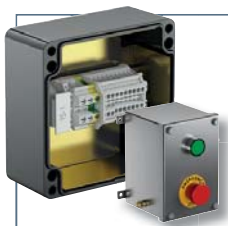
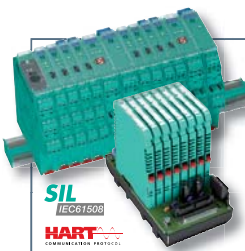


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Protection of the customer's investment is number one priority for Trend! IQ@4E full backward compatibility is designed in from the outset, meaning the IQ@4 range can communicate with controllers purchased over the past 25 years. To protect your most recent investment, all IQ@3 and IQ@4 modules are interchangeable. Trend takes a long term view on cost of ownership and supports a product for 10 years after it has been made obsolete.

The IQ@4E controller uses industrial standard Ethernet and TCP/IP networking technologies with embedded XML and is fully compatible with other Trend IQ@ controllers. All IQ@4E are native BACnet over IP to ensure your investment is future proof and compatible with other BACnet systems/devices, Modbus, Mbus, KNX etc.

Trend Controls Building Energy Management Systems are marketed through Intelligent Building Controls.

www.intelcontrols.com

DCS has Logbook functionality



Emerson Process Management's Logbooks, an electronic database of operator

log entries, can now be embedded in the DeltaV distributed control system interface to improve task management and enable more effective shift handovers with real-time visibility to active entries. Users can access Logbooks directly from their DeltaV workstations to view shift-based dashboards that highlight relevant log entries for the operations team.

"Emerson is committed to making the daily life of plant operators easier," said Claudio Fayad, director DeltaV platform management. "By integrating electronic logbooks in the control system and automating creation of log entries, we can help operators not only gain a knowledge base of events, but also improve event response"

Task management with Logbooks helps operators respond more quickly to high priority tasks. With event monitoring, logbook entries are automatically created from DeltaV events. These entries can then trigger additional tasks in the system or flag issues to raise attention. The shift dashboard displays task status and existing flags to ensure necessary work is not missed.

Operators can easily identify their priority tasks with Logbooks with a customised dashboard for each user. Relevant log entries and assigned tasks are displayed and responsibilities are clearly defined for the operator. Communication between operators and managers is streamlined and operators can more effectively plan and

prioritise work. The task-based actions make work planning, comment capture, and report generation easy.

www.EmersonProcess.com

Ethernet switches



Westermo has launched a range of new Ethernet switches and supporting software aimed at solving demanding networking problems. Configuring complex resilient Ethernet networks has now become easier with the release of an enhanced range of layer-2 switches and the latest version of Westermo's WeConfig software.

Four new layer-2 high-performance managed Ethernet switches have been added to the Westermo RedFox range. Designed for use in harsh environments and demanding Edge Network applications, the switches are supported by industry-leading MTBF, a wide operating temperature range and type testing for both industrial and rail trackside use.

The devices offer a range of port options including 11 gigabit ports. The two RedFox industrial switches, suitable for installation in extreme environments, feature 11 and 19 port options. Two new rack mountable versions of the RedFox switch, suitable for control room or cabinet

installation, feature 27 ports and are available in AC and DC power variants.

Allied to this, Westermo has released version 1.3 of its state-of-the-art WeConfig software, a Network Configuration Management tool that simplifies the configuration of complex resilient networks that typically may feature multiple rings, gigabit links and numerous devices.

To achieve this WeConfig 1.3 features new wizards for quick and easy user-friendly configuration with global parameter settings. WeConfig analyses port and path for best possible implementation of single or multiple rings, simple fast ring recovery and ring coupling. Alarm and event functionality displays both in a structured way.

WeConfig 1.3 not only helps to save significant time in the initial configuration of complex networks, but also offers rapid fault analysis when diagnosing network failures. This provides an easier way to improve overall network resilience.

www.westermo.co.uk

Smart conductivity



Extending its portfolio of process analysis sensors and systems, Krohne, marketed by DWN Instrumentation, has introduced three new Smartpat sensors for Conductive Conductivity measurement in liquids: Smartpat Cond 1200, 3200 and 5200.

Introduced in 2013, Smartpat is a series of digital 2-wire loop powered sensors with integrated transmitter technology. Using a VP cable, any Smartpat sensor can be connected directly to the

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Need to improve communication during shift changes?

Streamline changeovers and improve effectiveness.

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From page 8

process control system via 4-20 mA/HART 7 interface. This offers advantages in both handling and costs of a measuring point. An additional transmitter on site is no longer necessary, Smartpat sensors can be configured and calibrated offline via PACTware FDT/DTM, on site with a HART handheld or an optional loop powered operating unit. Targeted at the water and wastewater industries, the application area for Smartpat Cond 1200 (measuring range for cell constant $c=1$: 100 $\mu\text{S/cm}$...20 mS/cm) ranges from process monitoring - control in water treatment plants (industrial and drinking water), water quality/limit

values monitoring, to filter monitoring.

• **Smartpat Cond 3200** (measuring range for cell constants $c=0.1$: 1...1000 $\mu\text{S/cm}$, $c=0.01$: 0.05...10 $\mu\text{S/cm}$) is aimed at quality measurement in Condensate, cooling water, boiler feed water in power plants. Also, it can be used for reverse osmosis, monitoring of ion exchanger, deionisation or desalination processes, e.g. in semiconductor production.

• **Smartpat Cond 5200** (measuring range for cell constant $c=1$: 10 $\mu\text{S/cm}$...15 mS/cm) is designed for use e.g. in separation processes (caustic solution / water) or

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Innovative Temperature Measurement.

ISA FPID Symposium 2016
14-15 March
Rochestown Park Hotel
Cork, Ireland

**Food and Pharmaceutical Futures—
Technology and Innovation for 2020
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Join us for the symposium and stay for **St. Patrick's Day!**

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Endress+Hauser supports its customers with a comprehensive and clearly structured thermometer portfolio for all hygienic and aseptic applications.

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www.ie.endress.com/temperature



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Exchequer House,
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Endress+Hauser People for Process Automation

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process monitoring in water or wastewater treatment in chemical, petrochemical as well as in water and wastewater industries.

Each Smartpat sensor is specifically designed for its area of application: approvals and certificates range from installation in hazardous areas up to zone 0 to hygienic areas.

www.dwn.ie

Smallest US sensor



The UMB800 from Pepperl+Fuchs is the world's smallest ultrasonic sensor in solid stainless steel. It is made entirely from FDA-compliant materials. With its large detection range and highly compact design, it opens up new automation possibilities in hygienic applications.

The new sensors in the UMB800 series feature hygienic housing that is made entirely from V4A stainless steel. The surface roughness of the housing is less than 0.8µm,

minimising the risk of microbial contamination. The outer skin is hermetically sealed and free from gaps. The sensor can withstand steam jet treatment and aggressive cleaning agents. It features IP68/IP69K degrees of protection and ECOLAB certification. No cleaning processes need to be changed when the sensor is installed in existing systems.

At 18mm in diameter and 55mm in length, the UMB800 is the world's smallest ultrasonic sensor in solid stainless steel. The compact design does not reduce its performance: It provides an exceptionally wide measuring range from a dead band of only 70mm and a detection range of 800mm.

The sensor complies with the guidelines of the European Hygienic Engineering and Design Group (EHEDG). All materials are FDA-compliant. The certification covers its specially developed hygienic mounting bracket. No tools are required for assembly. The sensor is resistant to significant temperature fluctuations and remains functional at a continuous operating temperature of up to 85°C.

The UMB800 series is

primarily designed for use in hygiene applications (food and pharmaceuticals).

It demonstrates its strengths when used in applications in aggressive environments, such as in the chemical or vulcanisation industry. The same is true for systems in which robust cleaning methods are used. Typical applications include packaging food in thermoformed trays and measuring the fill level in receiving tanks, as well as applications in car tyre production or processes in electroplating and painting systems, e.g., to detect parts moving into and out of an acid bath.

Pepperl+Fuchs products are marketed in Ireland through **Insteco**.

www.insteco.com

PeriPump Redesigned

The re-design of the head and tube assemblies helps provide more precise chemical feed. Model numbers are visibly stamped on the PVDF pump tube adapters, for easy re-order.

FLEXFLO® peristaltic metering injectors are suited to chemical feed demand up to a maximum feed output of 124GPD/8.45LPH; and

working pressures reaching 100PSI/6.9Bar.



The FLEXFLO A-100N is compatible with a wide range of water treatment chemicals. With no valves to clog, FLEXFLO pumps are well-suited for use with many gas forming chemicals.

These Pumps feature the exclusive built-in Tube Failure Detection system, (Patent No. 7,001,153 and 7,284,964). If non-compatible chemical is detected in the head, the pump will auto-matically shut off, and will not restart until that chemical has been removed. FLEXFLO® is designed to be compatible with Blue-White's Micro-Flo flow verification sensor with select digital models accepting 4-20mA, 0-10Vdc inputs for eternal speed control.

www.blue-white.com

International automation and control symposium for Ireland

Technology & Innovation for 2020 Global Demands in Food & pharmaceutical sectors

This year the ISA's international Food and Pharmaceutical symposium is being held in Ireland, and its first time to be held outside of North America. The symposium will bring together experts, suppliers, and end users in a two-day symposium of presentations and panel discussions.

The symposium will focus on how Automation is used to address the impact of increased regulation, manufacturing costs, and security threats related to the food, beverage and pharmaceutical industries. Speakers will present on the latest trends, and provide case-studies which demonstrate the effective integration and use of Automation to solve these challenges.

The 2016 PFID Symposium will provide the very latest news, trends and projections about products and processes—direct from leading industry and solution experts. Government officials have been invited to deliver updates and provide clarity on regulatory requirements. A keenly focused conference agenda will explore the critical challenges and how best to solve them through innovations in process automation, and new strategies, products and techniques in control, optimization, measurement, and serialization.

Sponsorship & Exhibitor spaces are available, providing an opportunity directly to connect and meet with key decision makers in these dynamic market areas.

www.isafpidsymposium.com/

Topics for treatment in symposium include

- Cybersecurity
- Sustainable Processing
- Data Integrity
- Alarm Management
- Industrial Internet of Things
- Usage of Cloud for Automation
- Instrumentation: Calibration, Wireless
- Batch Management & MES
- ISA Standards
- Process Optimization
- Serialization / Track and Trace
- OEE, PAT, GAMP
- Energy/ Waste Management
- Process Control
- Paperless Automation
- Manufacturing Regulations



We recently reported on Endress+Hauser move from their longtime address in Clane to a new premises in Kill. This is a picture of the staff taken around the time of the move.

ISA Ireland Awards.



The following were honoured at the ISA Ireland annual Honours ceremony in early December.

Pioneer Award: Mr. John Power, An Rinn, Dungarvan (Above).

John Power is founder and President of **The Power Group** and was the fourth president of ISA Ireland in 1981/ 82. A native of Old Parish in county Waterford, he has a wealth of knowledge and experience in the control and automation sector going back longer than he would care to mention.

Other awards were presented as follows:

Craftsperson Award:

Mr. Rodger Condon, Cork Training Centre;

Degree Award:

Ms. Aoife Monahan, GMT;

Honours Degree Award:

Mr. Colin Levis, C.I.T.;

Innovation Project Award:

Mr. Grzegorz Perka &

Mr. Adam Sikorzynski, Vistakon, Limerick.

Automation Champion Award:

Mr. Liam O'Brien, Enterprise System Partners Ltd.

The Ireland section of ISA has conducted an annual Honours & Awards programme since 1980. It is intended to acknowledge and encourage excellence amongst those involved in, and those training for careers in Automation, Instrumentation and related areas of technology.

www.isa.ie



Atlas Copco Compressors has appointed Alexander Pavlov as

Country Manager for its Compressor Technique business in Ireland. In this new role, he will continue the implementation of an aggressive strategy to strengthen the position of the company.



Rob Gledhill has been elected to the position of Company President of Blue-White Industries. He has been with the company for more than 25 years and has had experience in all phases of production and marketing. Rob was instrumental in the development and launch of Blue-White's Pro-Series® and ProSeries-M® lines of metering pumps and flowmeters.



Gunnar Rasmussen, founder of the Danish based G.R.A.S. Sound & Vibration, celebrated his 90th birthday recently.



We know that cookies are needed when browsing but some people take the biscuit!

(Picture shows IPP's Noel Heery at the recent successful ISA/ISPE seminar held in Cork. He assures us that he did not scoff the lot - and we believe him!)

If you have an alternative caption please tell us.



Melba Crawford, Associate Dean of Engineering for Research at Purdue University, has been elected to Headwall's Board of Directors.

She is a leading expert in the field of remote sensing and agronomy with a focus on data analysis and image classification, particularly for agricultural applications. Dr. Crawford is a former President of the IEEE Geoscience & Remote Sensing Society.

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Our last project came in behind schedule and over budget.
The next project is even bigger.
It's going to be a monster unless we do things differently.

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