

Read-out

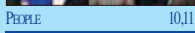


read-out.net

Ireland's journal of instrumentation, control, and automation

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istig inside



NEXT ISSUE



TEMPERATURE

A temperature is a numerical measure of hot and cold. Its measurement is by detection of heat radiation or particle velocity or kinetic energy, or by the bulk behaviour of a thermometric material. It may be calibrated in any of various temperature scales, Celsius, Fahrenheit, Kelvin, etc.

DEADLINE

20TH MARCH 2014

CALL US DETAILS AT BOTTOM OF PAGE!

Stemmer Imaging sets up office in Ireland

Stemmer is opening a new office in Ireland as from January 2nd, 2014. This new office is based in County Clare and is the latest addition to the STEMMER IMAGING network of European offices that provide local industrial vision expertise and technical support.



Mark Williamson, Director – Corporate Market Development at the company, said: “Stemmer Imaging is Europe’s largest independent supplier of vision technology and services to industrial and scientific OEMs, system integrators and reseller markets, and we recognise the importance of providing local support and expertise for our customers. Ireland has been an increasingly important market area for us so we felt that now was the right time to establish a dedicated office there.”

The new office means that Stemmer has increased its local presence to 8 countries of the 10 we currently serve. This new office is supported by their British centre of excellence and backed up also by their industry experts from the head office in Germany. “Not only will we be in a position to offer enhanced local support in Ireland,” concluded Williamson, “but our Irish customers will enjoy dealing with Irish team with many years experience in the Irish machine vision market.”

www.stemmer-imaging.co.uk

Déanach!



Read-out was not immune to the destruction visited on the west coast of Ireland in early January and due to lightning damage this issue of Read-out is almost four weeks late. Some land lines in this area are still inactive as we go to print! Picture shows main road at An Spidéal covered with water and hidden boulders tossed up by the angry sea!

Volume 18 Number 1 January 2014

Emerson steps out of their process comfort zone, into solids level measurement: plus moves up in the Top 20

In a really interesting development, Emerson has stepped outside its normal comfort zone, or zone of market profit, and made this move in the Honeywell India and outside the normal corporate ERP and control systems on site. The Adam acquisition contributes to Emerson's... Group also operates other... for example include the world's largest coal terminal, at their own private port at Mundra, or has further potential for APM sales. Rudolph, Bhattacharya, vice-president of Investor Operations Management, joined the Adam Group last year, as chief strategy and technology officer. Other

TOPICS THIS MONTH:

- The IFA automation reader reports Page 3-4
- The Top 20 names that shaped 2013 Page 5-8
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- New publications from Gary Marshall Page 13
- FTD updates Page 14

The January issue of *Industrial Automation Insider* marked a major step change for this invaluable newsletter. The Editorial team is being expanded, and the Managing Editor from February 2014 will be **Walt Boyes**, previously Editor in Chief of Control magazine (See People page 11). Spitzer and Boyes (**David Spitzer** and **Walt Boyes**), will become the co-publishers. **Nick Denbow** will remain as the European Editor and correspondent.

wp.me/pt7Kv-20y

www.calibrate.ie

Big Data!

How some manufacturers are already using the technology and why more need to embrace it.

Sue Roche, Business Unit Manager of SolutionsPT.



Big data generally refers to a set of information so large and complex that conventional database management tools or traditional data processing applications are incapable of handling such huge volumes. So, how can we realise its potential and make it work for our manufacturing industry?

The American National Security Agency claims to collect call records at a staggering rate of three billion a day and is alleged to be building a surveillance and storage capability with the space for 500 years' worth of communications. Truly BIG data.

And, while the numbers associated with data collection and analysis in our industrial environments are nowhere near that level, they can still be mind-boggling. Your average manufacturing site easily generates tens of millions of data points every day and can require this data to be stored for many years.

Manufacturers are not generally known for their willingness to embrace new, cutting edge technologies; however many are embracing the use of SCADA systems and process data historians, to collect the huge volumes of data that are essential for the visualisation and effective running of process plants.

SCADA systems and data analysis programmes are routinely used in manufacturing to not only handle millions of data points every minute, but also to identify problems in production.

These technologies alert us to when a manufacturing line or industrial plant might be trending off specification. Operators can then drill down into the data to troubleshoot or carry out root cause analysis.

Manufacturing data tends to be structured and time sequenced, which makes this analysis fairly straightforward. But with the rise of disparate data sources and the use of search engine-based technologies to interrogate unstructured data, dashboard style mash ups are becoming increasingly available. It will not be long before this same sort of technology is commonplace in many industrial and commercial applications and improving our day-to-day experience.

One of our major customers, a biochemical manufacturer, has been using a process data historian for some years, collecting data from seven of its gateway servers every 15 seconds. This equates to more than 75 million data points collected every day. This data is then used to create dashboards that enable the monitoring of batches and

the optimisation of processes and has been instrumental in improving the efficiency of the site and increasing output by 75%.

But not all manufacturers are using their data as strategically. Many companies have already invested in a data infrastructure but don't realise the extent of the data they are currently collecting and how it could be analysed and applied for business improvement. Simply put, they have a huge data asset that they are not making the most of. In these harsh economic times, where the emphasis is on increasing productivity without increasing capital investment, it would make sense to squeeze as much benefit from this data asset as possible.

Indeed there is an increasing view that analysis of data intelligence will be one of the key factors to differentiate the more successful organisation in future. This is particularly true for manufacturers which face their own specific set of challenges where many are fighting for survival, not only against their competitors, but sometimes internally against other plants and sites based in other countries which enjoy lower cost bases.

Therefore, it would be advantageous to secure the support of an industrial IT specialist to help employ the data from their process data historian to achieve a competitive edge. This can often be achieved by auditing and assessing your current data infrastructure or specifying these systems from scratch. The appropriate tools can then be introduced to analyse, report and present the data as useful information and disseminate as appropriate to the wider organisation.

By making information available to operators, we can help employee engagement and drive improvements. The easy availability and analysis of data can transform the way a company works and enable manufacturers to better understand their plant, and predict and manage performance. With so much of this data already available and locked in process data historians, accessing could be a lot easier than you think.

www.wonderware.co.uk

ProfiNet protocol added



Emerson Process Management, with strategic partner for industrial Ethernet MYNAH Technologies, is to add PROFINET protocol to the DeltaV digital automation system.

Adding to the system's wide range of bus compatibility offerings, PROFINET will join PROFIBUS DP and other protocols as an option in motor control centres, variable speed drive and other applications in process automation businesses.

Other Ethernet based protocols already supported include Modbus/TCP and Ethernet/IP via a Virtual I/O Module (VIM) interface with the DeltaV™ system. Release of a new drop-in replacement interface called VIM2 will enable inclusion of the PROFINET protocol.

"PROFINET for motor control centres, variable speed drives and other equipment is a growing bus protocol choice in process industries," said Emerson's chief strategic officer **Peter Zornio**. *"This addition ensures our users have the full spectrum of system solutions. A big advantage of this and other Ethernet protocols is that they utilise commercial-off-the shelf network technologies, which helps reduce overall costs and training."*

The VIM2 with the PROFINET driver will support multiple levels of network availability. Low availability requirements are satisfied with simplex VIM2 modules and standard COTS network equipment. Medium availability or reliability will be supported with simplex VIM2 modules with media redundancy network topology. High availability requirements are

met using redundant VIM2 modules with the built-in Ethernet ports communicating through media redundancy, without external switches.

The VIM2 interface also allows separation of the DeltaV control network from the PROFINET network like a firewall. The VIM2-based PROFINET architecture enables users to optimise expansion activities or perform maintenance operations on MCC and variable speed drives in remote locations from a laptop using vendor-specific diagnostic tools, while constantly monitoring applications from a centralised network. The VIM2 interface and firewall function allow this high level of access without sacrificing control system security integrity.

www.EmersonProcess.com

Flashing beacons



R. Stahl, marketed in Ireland by **Douglas Controls**, is introducing a new signalling solution that withstands extreme environmental conditions, e.g. a wide operating temperature range of +70 °C down to -55 °C. FX15 beacons feature an enclosure manufactured from corrosion-resistant glass-reinforced polyester (GRP) that is designed to provide IP66/IP67 protection. All fixings are stainless steel. The standard finish is natural black, painted units with epoxy coatings in but red, yellow and blue are also available.

The beacons are supplied with a robust stainless steel lens guard as standard to protect the flame-retardant polycarbonate lens. The light source is a xenon tube providing a high light output. FX15 beacons flash at a rate of one per second. Lenses are

available in seven colours (red, amber, green, clear, blue, yellow, magenta). The Fresnel lens that covers the well glass and houses the xenon tube produces a flash energy of 5 Joules, which ensures an excellent luminous intensity of 49 cd for the clear version. The beacons are suitable for use in a variety of onshore and offshore applications and environments, notably including marine use, the oil and gas sector, and skid packages.

Operating voltages range from 24 and 48 VDC to 115 and 230 VAC. All units feature 3 x M20 cable entries that enable a variety of wiring and mounting options. FX15 flashing beacons are ATEX- and IECEx-certified, with other relevant approvals (GOST, PESO, Inmetro etc) to follow soon. Essential installation material such as mounting brackets, straps, glands, tag and duty labels, along with replacement parts are also available at launch.

www.douglas-esl.ie/

Large Display Strain Gauge



Red Lion Controls, whose products are marketed here by **Instrument Technology**, have launched a new Large Display Strain Gauge (LDSG). The LDSG is the latest addition to their popular Large Display portfolio for advanced control and communication of weight measurement in environments such as food processing, truck and crane scales, cement mixing and transport, and other weight monitoring scenarios. Its advanced functionality and larger display screen gives plant engineers and maintenance staff the reliability and ease of use required to improve efficiency and reduce costs by increasing weight measurement accuracy. Available in both a 2-1/4-inch

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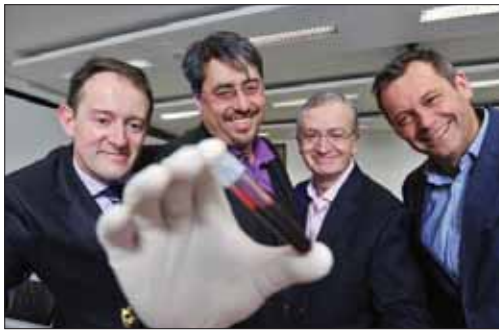
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- ▶ NEMA 4x Quick Disconnects.

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Major investment!

Irish biosciences startup, **Metabolomic Diagnostics**, has secured €750,000 in venture funding through a syndicate of investors including SOSventures Ireland Fund, AIB Seed Capital Fund and Enterprise Ireland. Picture shows Minister for Science & Technology **Seán Sherlock** with **Bill Liao**, SOSventures, **Charles Garvey**, Founder & CEO, Metabolomic Diagnostics and **Frank Walsh**, Enterprise Equality.

www.metabolomicdiagnostics.com

What's it all about?



We have mentioned elsewhere in this issue the electronically accessed material we receive, a regular update from **Chris Rand** on current trends in comments on current business marketing trends and procedures. Recently he made the statement: "I still don't know what Google+ is all about!" which struck a chord! "My guess is that whatever social networks you use personally, and whatever you've introduced into your company's marketing, Google+ is not going to be amongst them, except as a token gesture at best!"

Do you find yourself saying "Me too?"

www.bmon.co.uk/2013/11/admit-still-dont-know-google/

Read-out Readout Registration Form

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COMPANY: _____
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YOUR INDUSTRY (Please Tick) Are you involved in choice of purchase of instrumentation? Yes No

01 Pharma & Chemical Industry <input type="checkbox"/>	01 Process Control <input type="checkbox"/>
02 Consultant <input type="checkbox"/>	02 T&M <input type="checkbox"/>
03 Contractor <input type="checkbox"/>	03 Laboratory <input type="checkbox"/>
04 Education/Training <input type="checkbox"/>	04 Environment <input type="checkbox"/>
05 Electronics & Electrical <input type="checkbox"/>	05 Safety <input type="checkbox"/>
06 Engineering <input type="checkbox"/>	06 Quality <input type="checkbox"/>
07 Food & Drink <input type="checkbox"/>	99 Other Please give details: <input type="checkbox"/>
08 Foreign Inst Manf <input type="checkbox"/>	
09 Public Services (incl Govt Depts, Unions, Hospitals) <input type="checkbox"/>	
10 Instrument Manufacturer <input type="checkbox"/>	
11 Instrument Sales <input type="checkbox"/>	
12 Power <input type="checkbox"/>	
13 Process Industry <input type="checkbox"/>	
14 R&D <input type="checkbox"/>	
15 Water & Waste <input type="checkbox"/>	
16 Recruitment <input type="checkbox"/>	
17 Publisher - Magazines <input type="checkbox"/>	
18 Publisher - Books <input type="checkbox"/>	
19 Exhibition Organiser <input type="checkbox"/>	
20 Public Relations & Journalists <input type="checkbox"/>	
21 Software Development <input type="checkbox"/>	
99 Other Please give details: <input type="checkbox"/>	

APPLICATIONS (Please Tick)

EMPLOYEE NOS (Please Tick) 1+ 25+ 100+ 500+

Member ISA Yes No
 Member InstMC Yes No
 Do you read other Instrument Journals?
Intech Yes No
Control Engineering Yes No
Instrumentation Yes No
 Other (name) Yes No

CATEGORIES (Please Tick)

01 Service Engineer <input type="checkbox"/>	Have you access to InterNet? Yes <input type="checkbox"/> No <input type="checkbox"/>
02 Specifier/Consultant <input type="checkbox"/>	
03 Supplier <input type="checkbox"/>	
04 Manager/Director <input type="checkbox"/>	My name may be used for mailings other than Readout or Readout related mailings
05 Inst Technician <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
06 Inst Fitter <input type="checkbox"/>	
07 Student/Apprentice <input type="checkbox"/>	
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The Complete Control Loop



ELEMENT is a complete system approach from Bürkert that allows you to solve process problems. It encompasses the total loop: valves, sensors, positioners and controllers in one beautifully simple architecture which can be relied on to monitor and control inert fluids, steam, corrosive solvents, chemicals or abrasive fluids in a wide variety of application environments. ELEMENT meets all the requirements of the food and beverage industry, as well as the pharmaceuticals and cosmetics industry, in regard of safe process applications and easy-to-clean equipment.

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Talk to Bürkert's Premier Irish Distributor for more details;

Petrochem Pipeline Supply Limited
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PIPELINE SUPPLY

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FLUID CONTROL SYSTEMS

ease of use required to improve efficiency and reduce costs by increasing weight measurement accuracy.

Available in both a 2-1/4-inch and 4-inch display size, the LDSG accepts most load cell and strain gauge inputs and communicates real-time weight information to a database or management system for accurate monitoring, storage and reporting. This type of information is important for applications such as food processing, where weight monitoring and controlling of each ingredient is essential to accurately following recipes in batch production. By using alarming setpoints and a display that is readable from distances up to 180 feet away, operators are automatically alerted and can easily see when weight limits are being approached or exceeded.

"The larger display size and flexible input design of our new LDSG provide the features industrial customers need to enhance the safety of process control," said **Jeff Thornton**, director of product management for Red Lion Controls. *"By reliably communicating and saving weight values to a connected database, LDSG helps customers address various regulations."*

With easy, push-button setup and NEMA4X/IP64 sealed enclosure design, LDSG implementation is simple. Once installed, weight values can be collected in real time and used later via its RS232/RS485 serial communication ports. This is especially significant for the crane industry, where insurance mandates are starting to require operators to verify that cranes are not picking up more weight than designed to hold.

The LDSG is supported by Red Lion's award-winning **Crimson® 2.0** software. **Crimson** makes it fast and easy to configure the display, enable setpoints and more.

www.itl.ie

Packaged Batch Control



Burkert has launched a new system service for designing, manufacturing and commissioning packaged batch control solutions for use in markets such as hygienic processing, water treatment, brewing, food and beverage, pharmaceutical, medical/biomedical, chemicals - and many more.

These batch control solutions, available through **PetroChem**, offer the advantages of integrating a world class range of fluid control products, with third-party products - where required - in bespoke systems to customer requirements, fully optimised for maximum performance and designed to meet specific sector requirements regarding hygiene.

The batch control solutions are the result of Burkert's ability to combine process and laboratory automation, valve elements, sensors, flowmeters, water treatment systems and networked communications into single source customised systems that deliver higher process efficiency and also higher yields with reduced waste.

The scope of this service involves complete project responsibility, from conception through design, manufacture, assembly and testing. It covers both small and large production runs, extends to integration of third-party equipment, and offers the key benefit of simplifying equipment designs; making them more compact and easier to use.

The batch control solutions can be housed in control enclosures of almost any material, including GRP and stainless steel, and

integrate comprehensive levels of instrumentation: level, pH, conductivity, ORP, combined flow rate, pH, ORP, temperature and conductivity, as well as visual displays and controllers.

"What is increasingly evident, today, is that the complexity of modern processes cannot always be satisfied with standard batch control," said **Tom Carnell**, Manager of Burkert UK's System Division. *"The requirements for process systems used in all applications are becoming ever more demanding. To meet these demands, specialised systems are often required. This could involve Burkert in producing a totally individual design, or, more simply, modifying an existing batch process product. Whatever the requirement, our team of engineers and technicians is always on hand to provide the most cost effective solution, and the closest correlation between market demands and equipment performance."*

www.petrochem.ie

New PLC category



"Why settle for a logic block when you can have a powerful Micro PLC instead?"

The new FX3S PLC from **Mitsubishi Electric** completes the market-leading FX3 compact PLC range with the most powerful micro PLC yet. By taking the power and flexibility of the existing FX3G & FX3U premium compact PLCs and distilling it into a micro format Mitsubishi have created a new PLC category, the Premium Micro PLC.

Over the last 30 years Mitsubishi Electric have continually developed the compact PLC and have now

completed the third phase of this development programme, achieving sales of over 12 Million units worldwide during that period. Their philosophy is *"why compromise?"* even at the micro level. This is why the new FX3S incorporates many of the features and functions of its larger FX3 siblings.

For example, one of the most popular functions of the FX3 range is the built-in *"Freqrol"* driver that enables users to set up a simple, low cost network of PLC and up to 8 Mitsubishi inverters allowing the FX3S to tackle tasks as diverse as materials handling to heating and cooling applications.

Mitsubishi takes the legacy of their PLCs seriously, so the FX3S comes in 10, 14, 20 and 30 I/O variants just like its predecessor the FX1S and it also has the same footprint, making it extremely easy for users to upgrade to the newer PLC without a major redesign and associated engineering costs.

There is also a new version of the 30 I/O FX3S CPU which includes built-in analogues and is ideal for simple temperature or flow control systems.

Besides increased memory capacity and processor speed, the new FX3S can be expanded by using the existing, slim FX3 ADP modules, offering a choice of analogue and communication options including Ethernet and RS422/485 serial. Adding Ethernet connectivity at this level means that FX3S is not just a PLC but should also be considered an intelligent data logger or even distributed I/O. When used in conjunction with Mitsubishi's respected MAPS SCADA and MX4 Energy management software solutions, plant-wide data collection can be achieved with minimal cost and effort by deploying FX3S PLCs close to where they are needed.

FX3S is programmed by the GXWorks2 software which offers total flexibility and

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deploying FX3S PLCs close to where they are needed.

FX3S is programmed by the GXWorks2 software which offers total flexibility and choice, allowing the designer to choose a simple ladder style programming method, or the more advanced structured style. FX3S is also included in the comprehensive iQ Works navigator allowing users to easily configure systems using Mitsubishi's GOT series HMIs and the FX3 PLCs in one software package.

ie3a.mitsubishielectric.com

Transmitter connectivity

Endress+Hauser's Liquiline CM44 multiparameter transmitter with EtherNet/IP is easily configured, monitored and diagnosed by Rockwell Automation's PlantPAX™ Process Automation System.

The Liquiline CM44 multi-channel transmitter can be used for process monitoring in the water, wastewater, chemical,

power and other industries.

The transmitter features an integrated web server that allows the operator to remotely view diagnostic data, perform configuration, or access device parameters via any web browser. Data can be securely accessed and maintenance functions can be performed via Endress+Hauser's FieldCare asset management system.

Using Endress+Hauser's Memosens® technology, customers can now use EtherNet/IP and one CM44 transmitter to access many parameters and accept inputs down to the sensor level including sensor condition and diagnostics. They also have the ability to configure up to eight Memosens digital sensors via remote access, including nitrate, spectral absorption coefficient (SAC), pH, ORP, conductivity, dissolved oxygen, turbidity, free-chlorine and ion selective electrode sensors.



The modular four-wire transmitter is available in one to eight-channel versions and can be expanded at any time, and users can easily swap or mix and match any combination of sensors. The CM44 transmitter recognises the sensor and will begin operating immediately without rebooting the transmitter. Memosens protocol sensors can be pre-calibrated and the sensor-specific data is stored in the sensor.

With just a few clicks, an EtherNet/IP enabled multiparameter transmitter is enabled and ready to provide critical process

information to a PlantPAX control system. Total process management is now possible, because operators now have the ability to integrate, configure and commission in minutes, not hours as with other networks.

Traditionally, devices measuring and controlling process variables rely on a process instrumentation network to transfer data, while other devices within the plant work on a completely different network. By improving this complex multi-tier networking strategy with one standard network architecture – EtherNet/IP – users have better access to real-time information. This improves the ability to monitor overall performance, troubleshoot out-of-margin conditions and minimise downtime.

The Liquiline CM44 multiparameter transmitter, indeed all Endress+Hauser products built on the 4-wire, Liquiline platform, such as the

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Just when you thought the celebrations were over...

...along come three great products from Druck.

PACE Series Modular Pressure Controller combines latest control and measurement technology in an elegant and economical solution to pressure control for production, test and calibration.

DPI 620 Genii has the multi-functionality to perform the duties of a wide range of different instruments. Combining an advanced multi-function calibrator and HART/Foundation Fieldbus communicator with world-class pressure measurement and generation.

Dry Block and Liquid Bath Temperature Calibrators provide solutions for testing temperature devices over a range of temperatures from -35°C to 650°C with a choice of dry block and liquid bath configurations to accommodate virtually any type, shape and size of sensor.



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email: info@classictechnology.ie www.classictechnology.ie

From page 7

parameter transmitter, indeed all Endress+Hauser products built on the 4-wire, Liquiline platform, such as the Liquistation water sampler, are pre-engineered to integrate seamlessly with the PlantPAX process automation system, helping users simplify their network architecture, reduce deployment time, and facilitate connectivity from the instrumentation level to the business systems level. In addition to EtherNet/IP connectivity, the multiparameter transmitter has built-in connectivity to Ethernet, Profibus, Modbus, HART and 485 networks.

Together with Memosens and the EtherNet/IP technology, interoperability is assured – opening new possibilities for process monitoring, quality assurance, lowered operational costs and safety.

www.ie.endress.com/

Isolation Valves



Serving the Pulp & Paper, Oil & Gas, Petrochemical Food & Beverage, Pharmaceutical and Waste Water Treatment plants it has become the number one choice in Isolation Valve. Indu-Tech Isolation Valves, from **PJ Boner**, will close and seal off the process when the need arises to remove Level Transmitters for what ever reason, even years after installation. Whether the application is black liquor, tall oil, chemical, chlorine, stock or any other medium these valves will suit.

In the Pulp & Paper, Oil & Gas, Petrochemical Food & Beverage, Pharmaceutical and Waste Water Treatment plants it has become the number one choice in Isolation Valve. It reduces maintenance costs and

improve Level Transmitter uptime. These valves are designed for easy installation, simple operation, reliable performance, and durability. They come in a variety of stainless steels as well as exotic materials to suit the application. It withstands exposure to high temperatures, corrosive applications, tight work spaces and on-line calibration. Manufactured to API 607 fire rating, CRN Certification (Canada), EPA Bubble Tight, ANSI specifications and Metric specifications.

www.pjboner.com

Skid Systems



CHEM-FEED® Dual Pump Engineered Skid Systems are tough and efficient. They are well suited for use in water treatment applications, when paired with *Blue-White's* ProSeries® line of Peristaltic Metering Pumps.

CHEM-FEED Skid Systems were designed and engineered using solid modelling tools for superior piping installation and easy component maintenance. Custom engineered universal mounting blocks, and pre-machined mounting slots, provide for easy component servicing and replacement. Units are lightweight for wall or floor mounting.

These skids are constructed of 6061-T6 powder coated welded aluminum. Additional features include: An exclusive flow indicator which visually indicates pump is delivering solution; Self-filling calibration cylinder (flooded suction not required); proven components, Plast-O-Matic® ball valves; Pressure Relief Valve protects

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Events

Fundamentals of agile project management

DCU Centre of Software Management Training Course
29-30/01/2014
Dublin (IRL)

GX Works2 PLC Training course

Mitsubishi
11-12/02/2014
Dublin (IRL)

Wireless Development in a Manufacturing Facility

ISA Technical talk - John Murphy, Pfizer
12/02/2014
Cork (IRL)

Graphical System Design in Action

National Instruments
18/02/2014
Dublin (IRL)

Fundamentals of agile project management

DCU Centre of Software Management Training Course
24-25/02/2014
Dublin (IRL)

A 360° approach to machinery safety CSME ®

Pilz Certified Machinery Safety Expert Training
25-28/02/2014
Dublin (IRL)

Water NI

www.wt-ni.net
Conference
27/02/2014
Belfast

ARC Industry Forum Europe 2014

Securing the Manufacturing Renaissance
5-6/03/2014
Amsterdam (NL)

Wonderware Roadshow

"Introducing Wonderware 2014"
11/03/2014
Cork (IRL)

A 360° approach to machinery safety CSME ®

Pilz Certified Machinery Safety Expert Training
11-14/03/2014
Cork (IRL)

Water Ireland

Faversham House Conf: *"delivering a sustainable water industry!"*
27/03/2014
Ashbourne (IRL)

Emerson Global Users Exchange EMEA #EMrexEU

1-3/04/2014
Stuttgart (D)

Hannover Messe

7-11/04/2014
Hannover (D)



PROFINEWS now available on mobile devices

PI (PROFIBUS & PROFINET International) presented its new "PROFINEWS" news app at this year's SPS/IPC/Drives. PROFINEWS, the international newsletter of PI, has been available for years in HTML version. Now it is also available as an app. The PROFINEWS app can be downloaded free of charge for Apple and Android devices from the App Store and Google Play Store. Users can use the PROFINEWS app on smart phones or tablets. With the new PROFINEWS app, users will receive up-to-date information about PI and its technologies directly on

their devices anytime anywhere in the world. Thanks to intuitive navigation and fast download times, readers can always catch up on the latest news quickly regardless of their location. A

push notification service informs users automatically about important topics. Articles of interest can be shared directly with colleagues. In Tech Tips, readers will receive practical advice on the use of PI technologies from selected PI experts. The PROFINEWS app will become an indispensable information medium for the PI community as a PI Automation Guide. Members worldwide can publish product and company news in the PROFINEWS app quickly and easily reach a global audience with a single mouse click.



www.profibus.com

Thindustrial

The Irish visit of **SolutionsPT Thindustrial13** road show came late last year to the western capital Galway.. The whole series of events was incredibly well received and attended with over 220 registrations across the six events in total across these islands. They have made the presentation slides and a number of other resources available on our FTP site for download. The full list of documents included is:

- Thindustrial13 event master slides
- ACP ThinManager Version 6 brochure
- ACP ThinManager Support brochure
- ACP ThinManager Mobile Apps brochure
- White paper comparing ThinManager with Citrix
- White paper on the benefits of using ThinManager
- The ThinManual, which is the configuration guide
- A white paper from Newburn on the general benefits of Thin Clients
- Real world ThinManager – A number of case studies
- A TCO document from Gartner covering Thin Clients
- A presentation from ACP on how to consider and calculate TCO
- The Wonderware deployment guide for Terminal Services
- A Wonderware datasheet for InTouch Access anywhere
- FAQ's for InTouch access anywhere
- ACP's Relevance product and ThinManager Version 7 scheduled for release in February 2014. Collateral for that will be made available shortly.

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ISA Honours and Awards presented at University College, Cork, December 2013



Mr. Brian Hogan, (Cork Institute of Technology - CIT), received the Degree Award; **Mr. Eric Higgins** (CIT), received the Honours Degree Award; **Dr. Nicola Pavarelli** (CIT), Post Graduate Award; Former Section President – 1979-80 and 1988-89, **Dr. Liam Mc Donnell** CPhys FInstP (Retired Head of Dept of Applied Physics & Instrumentation CIT) was honoured with the Instrument Pioneer Award; The Janssen Biologics Autoclosure Team, **Paula O’ Driscoll**, **Stephen O’Connell**, **Mary O’Driscoll**, **Ronan Curtis** and **Rebecca Cronin**, received the Innovation Project Award.

Pic shows from left: Brian Hogan, Paula O’Driscoll, John O’Neill, Mary O’Driscoll, Eric Higgins, Liam O’Brien, ISA Ireland President, Dr Liam McDonnell, Dr. Nicola Pavarelli, Rebecca Cronin and Ronan Curtis.

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WiFi Platform

B&B Electronics has launched its next generation Airborne-M2M 802.11 a/b/g/n Wi-Fi platform to provide secure, dual-band (2.4 and 5 GHz) Wi-Fi connectivity to rugged and mission-critical M2M networks. With dual-band support and robust, enterprise-class security options, it is designed to enable integrators, VARs and OEMs to reduce the risk of obsolescence as enterprises both upgrade their security policies, and increasingly migrate their Wi-Fi infra-structure to the 5 GHz band. The AirborneM2M products feature industrial strength packaging and a wide temperature rating (-40 to 85 C)

to withstand challenging M2M environments.

The Wi-Fi connectivity technology is useful for rugged, mission-critical applications that need both Ethernet connectivity and wireless mobility, such as transportation vehicles (forklifts in warehouse shipping/receiving), mobile printers (rental car companies), medical (hospital patient monitoring systems, nurses stations), and more.

The AirborneM2M Wi-Fi technology is available in several forms:

- *A full line of industrial Wi-Fi Access Points (APXN), and Wi-Fi Clients (ABDN), including Ethernet bridges, Ethernet routers and serial servers, can seamlessly connect most any equipment - RS-232, 422, 485, Ethernet 10/100M*

and even I/O - to the Wi-Fi network. Power options include 5-36VDC and 802.3af Power over Ethernet (PoE).

- *Embeddable Access Point (APMN) and Client (WLNN) modules, which are plug compatible with B&B’s previous generation modules, allow OEMs to easily and cost effectively integrate Wi-Fi into their own M2M equipment without having to invest in the Wi-Fi engineering and certification effort.* Leveraging B&B’s WLNN series modules with I/O flexibility enables rapid time to market with Ethernet, UART-based, or GPIO connectivity over Wi-Fi. B&B also offers a Design and Development Kit that provides a starting point for customers.

The 5 GHz support gives system designers and installers

improved flexibility and reliability, as enterprises adopt 5 GHz in order to avoid the crowded 2.4GHz band, which hosts competing wireless transmissions.

Security protocols, including robust authentication and encryption, are also important to mission-critical wireless M2M applications. Airborne-M2M products are designed to handle the processor-intensive advanced encryption techniques defined for enterprise-class security that are not available on entry-level Wi-Fi products. Features include network security (EAP), wireless security (802.11i and WPA2-PSK), access security, communication security (SSH) and device security (encryption).

B&B Electronics’ Airborne Management Centre (AMC) device discovery, control and management application software, included with all AirborneM2M devices, helps customers manage large networks.

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Award-winning editor and industry analyst **Walt Boyes** has returned full-time to *Spitzer and Boyes, LLC* where he has been a principal since 2002. He returns after a decade-long stint as Editor-in-Chief of *Control* both print and electronic presences.

"I am proud of what I, and my team, have done with Control and ControlGlobal.com Over the past ten years, we have won numerous regional and national awards for our editorial content and our art direction," Boyes said. *"But like all things, there comes a time for a change."*

Walt has more than 40 years of experience in the automation industry. He is a Life Fellow of the ISA, the International Society of Automation. He is a member of IEEE. He is also a Fellow of the Institute for Measurement and Control (InstMC) and a Chartered Measurement and Control Technologist. He is without doubt one of the premier automation industry analysts in the world.

We had the honour of welcoming him to our offices earlier this year.

wp.me/pt7Kv-1Zv



Roy Kok has joined Ocean Data Systems as Vice President of Sales and Marketing.



Industrial IT provider, SolutionsPT, has appointed **Kraig Appleton** as a Solutions Architect, as it continues to expand the company's growing team of specialists.



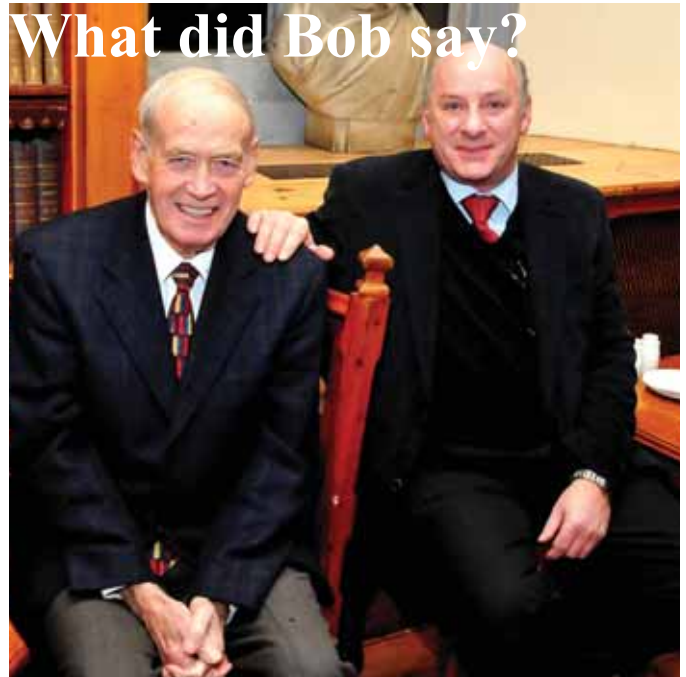
Robin Gledhill has recently been elected as President and CEO of Blue-White Industries. He began his tenure in Blue-White's metering pump division, 40 years ago, and eventually moved into the Sales and Marketing Department, where he became Blue-White's International Sales Manager.



The British Royal Academy of Engineering has awarded its Sustained Achievement Award, one of its highest honours, to **Dr Peter Jost** for his groundbreaking work in tribology, the science and engineering of interacting moving surfaces.

instsignpost.blogspot.ie/2013/10/father-of-tribology-recognised-by.html

What did Bob say?



Pictured at the ISA Honours & Awards event last December. Is **Brendan Barry** (left) trying to keep his composure at **Bob Shine's** comment. What did Bob say! Answers on a post card please for a bottle of whiskey!

Automation Events in Ireland and the World

read-out.net/signpost/expo.html

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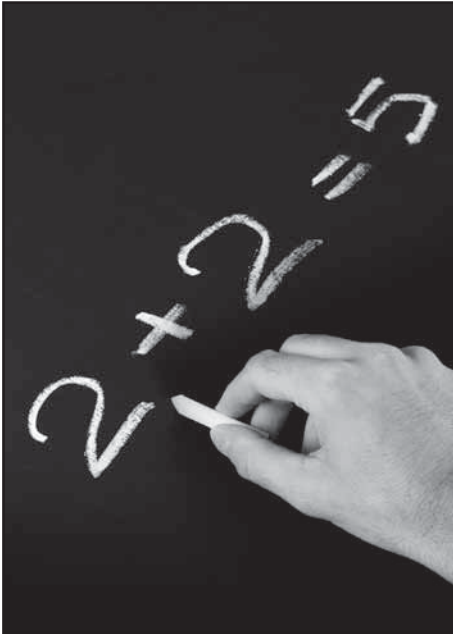
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