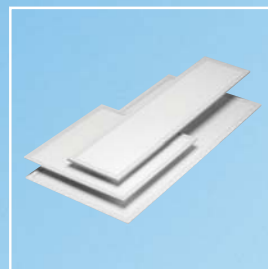


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the magazine & website for the Irish Electrical Industry



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Rittal

Launch New Blue e+ Range

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New 160e Series

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Rointe heating
London Construction Awards **FINALIST**





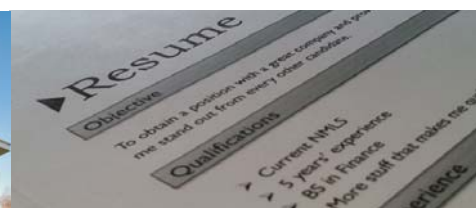
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The RS Live experience!

Bringing innovation to you



Welcome on board!

Step into a journey of innovation

RS Live! is a ground breaking mobile innovation experience created exclusively for RS customers and students across the UK & Ireland.

Join us on an exciting and educational journey through six interactive environments - Design, Build, Maintain, Store, RS Pro and Purchase and interact with the latest solutions including DesignSpark, Internet of Things (IoT), 3D Printing, Robotics and much more!

Where and when:

Date	Location	Time
Monday 17th October 2016	DCU Alpha, Glasnevin, Dublin 11	10am-3pm
Tuesday 18th October 2016	University College Dublin, Dublin 4	10am-3pm
Wednesday 19th October 2016	Waterford Institute of Technology, Waterford	11am-3pm
Thursday 20th October 2016	South Court Hotel, Raheen, Limerick	11am-3pm

For more information follow us on  /RSIreland  @RSIreland

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The editor welcomes:
contributions of technical papers,
information on new products, details of
installation projects and all editorial input of
interest to our readers.



Construction Contracts Act becomes law - A momentous day for dispute resolution and prompt payment guarantee

Louth Senator Ged Nash and former Dublin Senator Fergal Quinn addressed representatives during an event hosted by the Construction Industry Federation (CIF) at Leinster House to mark the introduction of the Construction Contracts Act into Irish Law. Both Senator Nash and Mr Quinn were instrumental in bringing this vital piece of legislation to fruition over the past seven years.

The Construction Contracts Act entered into law on July 25th. It provides new minimum contractual provisions concerning payment arrangements between the parties to a construction contract, subject to some exceptions. Where payment disputes do arise between the parties to a construction contract, either party will have the right to refer the payment dispute for adjudication, which will be concluded within a set timeframe. Where the parties cannot agree on an adjudicator, the Chairperson of the Ministerial Panel of Adjudicators will appoint an adjudicator from that Panel to the dispute. CIF have launched a series of training and briefings, to prepare companies for the new legislation.

The annual Construction Safety Week takes place from 12th to 16th September this year and will see a number of events running across construction sites and offices nationally. Although serious incidents are down over the last number of years, accidents are now concentrated in the micro-enterprise sector. The message to keep in mind is **Work Safer – Work Smarter**.

Carbon Monoxide Week takes place from 26th September to 2nd October. This highly dangerous gas is often called “the silent killer”. This dedicated week should give suppliers and installers in the industry an opportunity to raise awareness of the availability of detectors and other life-saving equipment.

The IEBA have just announced details of their annual Winter Ball. Moving to a new venue this year in the Intercontinental Hotel, Ballsbridge (formerly the Four Seasons), the event promises to be a spectacular evening. Details of tickets and sponsorship arrangements can be found on page 64 of this issue.



Details on page 64

IEBA BLACK TIE BALL

Friday 18th November 2016
5 Star Intercontinental Hotel
Ballsbridge, Dublin 4

RDS Simmonscourt - Upgrade to High

Co-ordinated by Bowen Electrical, Disano and Helvar combine to revamp the lighting



With floor space of over 10,000 sq metres and a capacity for 13,000 theatre style seating, Hall 8 Simmonscourt, is the largest complex in the RDS and is used for major exhibitions, indoor sporting events, live entertainment shows, conferences and exams. Previous events include Top Gear Live, The Web Summit, Catex, Funderland, The Eurovision Song Contest, Special Olympics National Games and bi-annual Trinity College & UCD exams.

The project specifications required that Bowen Electrical provide a much higher level of light in Hall 8, essential for University exams. Also required were facilities to enable switching and dimming of each fitting individually while, at the

same time, achieving their main goal of energy saving...no small ask!!

The successful completion of this project was met using Disano's Astro 380W LED and the Disano Astro 187W LED fitting, specially equipped with Dali LED drivers. To control the fittings Bowen Electrical supplied the Helvar uSee system (from Helvar's Irish agents Modula) and a supplementary control panel manufactured in their workshop in Blackrock. The Helvar uSee enables the fittings to be controlled in any combination chosen by the RDS and it also allows switching and dimming of individual fittings, all this can be done using a tablet or PC. Bowen Electrical also supplied a bank of programmable wall mounted switches, preset to different levels of light, for use by the hall caretakers.

The system is versatile enough that one-off lighting scenes can be programmed for unique events on site using the tablet, in addition it can be controlled via the 'caretakers' switch. The Helvar uSee was programmed and commissioned on site by Paul Downes from Modula.

The results speak for themselves. The old metal halide fittings used 81kW. The new Disano Astro fittings use, on full, 49kW and there is the added benefit that during an event set-up the fittings can be set, using the Helvar uSee, to as low as 10% thus providing an extra 90% saving on energy. The strict light level requirements have also been met and there is now an average increase in light levels of 400lux across all areas.

High Output, Low Energy Light Fittings

installed in Hall 8, establishing dimming capability for each individual fitting



disano 
illuminazione

MODULA

Project coordination & supply of
fittings, control gear etc. by Bowen
Electrical (Michael 01 288 6665)
michael@switchcraft.ie

Installing contractor: Crescent
Electrical, M. Kearns 087 757 7584.
creselec@eircom.ie

Disano Ireland: P. Hand 086 466 0711
paul.hand@disano.ie

Modula (Agent for Helvar Controls):
P. Downes 087 931 3782
pdownes@modula.ie



Bowen Electrical



Paul Downes, Michael Bowen and Paul Hand

Klik heating. Control and maintenance have never been easier

Simply Klik...

Designed to make the wiring of an entire heating system simple, with easy connection of all heating controls, especially motorised valves, it's as simple as Klik! The concept has been designed by Hager, Chronotherm and Vintero, with Hager's innovative 7 pin Klik at its core. Klik provides the mechanical and electrical connection in just one plug-in action. For further information on Klik Heating System please contact Chronotherm Controls Ltd., Unit E2, Clonlara Road, Baldonnell Business Park, Dublin 22, Tel. T: (ROI) +01 410 5756 / 5757 or (NI) 00353 1 410 5756 / 5757, Email: sales@chronotherm.ie

www.chronotherm.ie



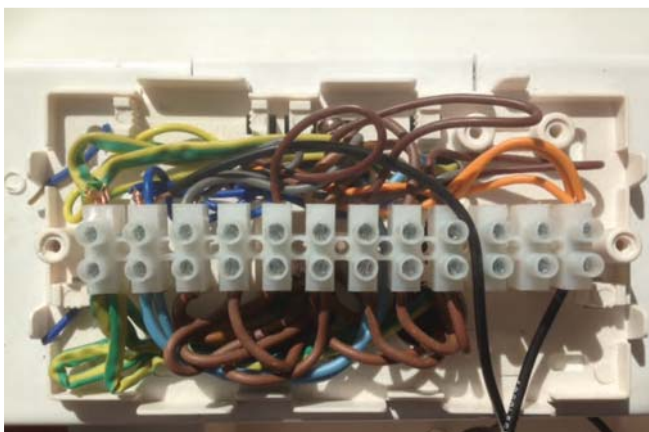
Simply Klik...

the future of wiring heating systems made easy!

Hager's Klik distribution box is at the heart of Chronotherm's new heating package - an ideal heating solution choice for electricians and plumbers. Designed to make the wiring of an entire heating system simple, with easy connection of all heating controls, especially motorised valves, it's as simple as Klik!

The concept has been designed by Hager, Chronotherm and Vintero, with Hager's innovative 7 pin Klik at its core. Klik provides the mechanical and electrical connection in just one plug-in action. The installation and on-going maintenance advantages to using the Klik Heating System make it the safest choice on the market.

Until now, the main problem when installing heating systems was the amount of wiring involved. Wiring was often confusing and at times problematic when meeting maintenance requirements. Historically, throughout Ireland, heating systems were installed using a multi-block connector wiring centre. The resulting jumble of cables (shown below) meant that any maintenance of the heating system would be very time consuming and labour intensive. Klik is a game changer in the installation process, eliminating most of the wiring with the semi pre-plug system that fits onto a connector box. What makes Klik unique, other than its simplicity, is that the system allows individual isolation to each of the motorised valves, this in turn makes fault finding and post installation testing a quick and easy task.



Typical problematic wiring with heating systems



Zone heating system with Klik Heating Box

It also simplifies the ETCI Regulations ET101:2008 Fourth Edition test requirements:

- Operation of RCD Test ETCI rule 613.14
- Polarity Test ETCI rule 613.8
- Volt check
- Fault Loop impedance measurement, ETCI rule 613.13.

With this new product, motorised valve actuators can be plugged-in in seconds, without circuit isolation and provide full interlock, as required under Part L of the Irish building regulations. This secure design also prevents disconnection of the plug from its socket by vibration or snatch withdrawals. The klik product exceeds relevant standard requirements and also allows for compliance with IEE wiring regulations and safety regulations.

Safety is a hallmark feature of Hager products and this was a major driver for the introduction of this offer to the market through partner Chronotherm. Mechanical and electrical connections made in one 'click-in' action make for an efficient and safe installation. Designed for on load isolation, klik allows the individual motorised valves to be removed for maintenance without affecting the other heating controls on the circuit; this ensures that maintenance tests and installation tasks can be carried out speedily and safely. All klik plug-in connectors are prewired and sealed at Hager's

UK manufacturing plant. In addition, each plug-in connector is colour coded to indicate which heating or hot water zone it relates to reinforcing the easy nature of the product.



Installation of Klik heating system

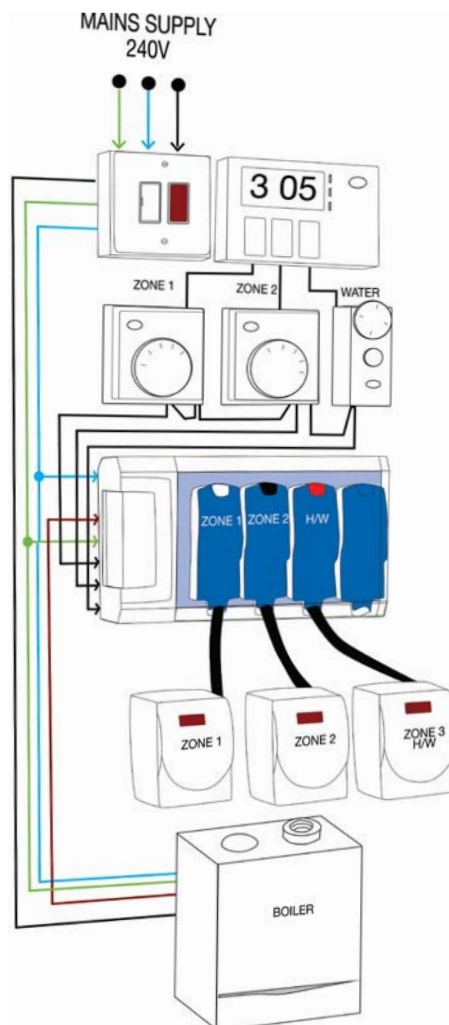
The klik heating solution package has received an extremely positive response from individual plumbers and electricians with installation time at second stage fitting taking on average only 15 minutes! Programmer and thermostats are wired into a klik Marshalling Box which can cater for up to three zones. The Marshalling Box has seven copper busbars, each dedicated to specific tasks: room stat one, room stat two, cylinder stat, permanent live, neutral, earth and switched live out. The plug-in connectors are designed similar to a key and only zone one, for example, will activate when the relevant klik connector is attached to the Marshalling Box (hence the importance of the connector colour coding). The klik product is compatible with Chronotherm and many other suppliers' wired, wireless controls and smart thermostats.

To ensure compliance with ETCI Rule 613:13 how do you carry out the mandatory Volt Check? How do you carry out the Fault Loop Impedance Measurement?

For safety reasons, each heating Marshalling Box has a fourth connection point where a blank connector is fitted. However, the great advantage of this fourth connection point is that this is where the loop impedance and RCD testing is performed using appropriate testing equipment.

Now's the time to take advantage of the many benefits of Klik heating system.

The klik heating package is the ideal solution for a 2 and 3 zone installation but can cater for multi zones if required. It also ensures that the mandatory Volt Check and Fault Loop Impedance Measurement check is a pain free task. The solution was introduced to the Irish market last year, has been demonstrated at trade shows throughout 2015 and is installed successfully at a number of residential sites across Dublin. At an additional cost of approx. €150 to install per house, we see safe and efficient installations, with savings made by the installer due to less time spent on site. This has generated an unprecedented degree of excitement across the industry and soon will be the future of wiring home heating solutions.



Take a closer look...

Klik will be on display on the Chronotherm Controls stands at the following exhibitions in 2016.

Plumb Power Heat Light, Titanic Exhibition Centre, Belfast – 7th-8th September and Electrical Trade Show, Citywest Hotel, Dublin – 5th/6th October

For more information contact Chronotherm Controls.
T: (ROI) +01 410 5756 / 5757 or (NI) 00353 1 410 5756 / 5757, E: sales@chronotherm.ie, W: www.chronotherm.ie



Park Developments Group new energy efficient A2/A3 rated houses at Hamilton Park, Castleknock, Dublin, benefit from Klik heating system

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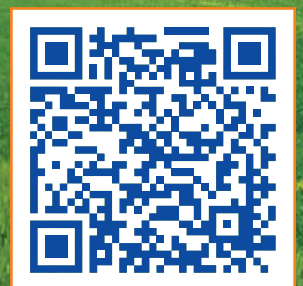
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sales@atc.ie



Temple announce appointments in Business Development and Sales Support

Temple are pleased to announce that Clair Kirby and Natalie Cummins have joined their Sales Team.

Drawing from over 14 years' of sales and technical experience in the Data Cabling and Security Industry Clair will take on a Business Development role focusing on client specification, account management and growing the Temple brand throughout Ireland.

Coming from a sales support background with some major distribution centers Natalie will work closely with our Sales and Business Development Teams and provide a first point of contact for day to day support on major projects.

Paul Ryan, Managing Director, said 'Both Clair and Natalie bring a wealth



Natalie Cummins, Paul Ryan and Clair Kirby

of experience and talent to the Temple team that enables us to work even

more closely with our client and enhance our support offerings.



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Trade in your cable tester* for a brand new member of the Versiv Cabling Certification System and save up to € 4.000,-.

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For more detailed information, please contact: Clair Kirby,
Mobile: +353 (0) 87 2687959 E-Mail: clair@temple.ie
Temple, 58 Broomhill Drive, Tallaght Ind Est, Dublin 24, Ireland.
www.temple.ie



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*Qualifying trade-ins include all cabling certification tools, any make, any model.

THORN

LIMO Set

Light-Modernisation Set

Offices

Modern LED luminaires + r2m Refurbishment Kit = LIMO Set

It's so simple to save up to 80 % energy:

1. Replace old, inefficient lights with modern Thorn r2m LED luminaires.
2. Simply insert the ready2mains™(r2m) gateway and combi-sensor into the existing installation and efficiently control up to 15 luminaires - without any expensive new wiring.
3. Ensure better light quality by modernising the light in small/medium-sized offices quickly and cost-effectively and save up to 80% energy.



Increase in light quality



Quick 1:1 exchange



Easy to install



Cost-efficient



Smart control without expensive new wiring

Selection of modern LED luminaires



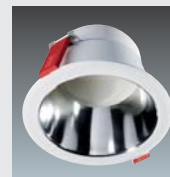
Omega LED r2m



Omega Pro r2m



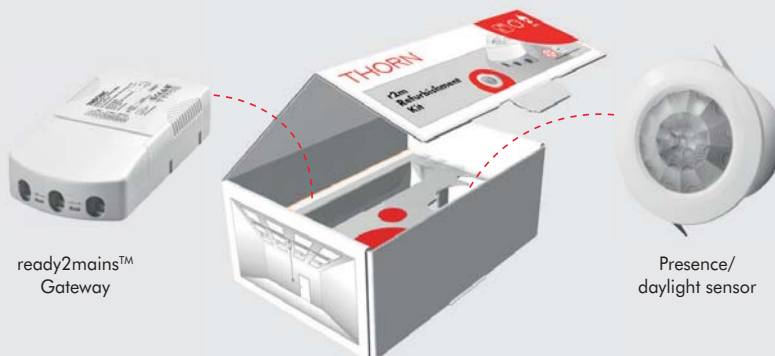
Chalice r2m



Chalice Pro r2m



r2m Refurbishment Kit



More information is available at: www.thornlighting.com/limo-office
Telephone: IRL +353 0 1 4922 877

Thorn LIMO Set for fast, efficient luminaire upgrades + massive energy savings

The LIMO (Light-Modernisation) Set has been launched by Thorn Lighting to provide a fast and efficient way of replacing inefficient luminaires with the latest LED technology, using the ready2mains™ (r2m) gateway. Thorn's LIMO Set modernisation solution for office lighting is based on a combination of energy efficient LED luminaires and smart lighting management and is suitable for various applications, from individual and open-plan offices through to conference halls meeting areas.

Thorn's LIMO Set has everything required to convert existing lighting to high-efficiency, controllable LED office lighting, as everything you need comes complete in a single pack, from the lighting control components, communication gateway and presence detection, daylight control and dimming, through to the luminaires themselves. Lighting can be modified or upgraded quickly as installation is achieved by simply inserting the r2m gateway and combi-sensor into the existing installation. This will efficiently control up to 15 luminaires without any additional wiring and provide reducing operating costs, optimum lighting conditions and up to 80% less energy consumption.

The LIMO Set is currently available with Thorn's Omega and Chalice ranges. Omega and Omega Pro are LED flat panel luminaires which can be directly integrated into the ceiling profile, ensuring an attractive design. The mounting options can be adapted to any space and the fittings have adjustable mounting options for through-life flexibility. Omega Pro offers comfort and style with an edge lit

flat panel incorporating the unique Glare ProTech prismatic optic for high performance optical and glare control for great lighting quality. It is a direct replacement for 4x18W T26 (T8) recessed luminaires and complies with EN 12464 office lighting norms.

Chalice is an LED downlight available in two sizes with up to 2,800 lumens, offering a direct energy efficient replacement for CFL solutions. Chalice Pro is a high performance LED downlight offering class leading efficiency and a long 50 000-hour LED lifetime and UGR <19 so it is suitable for office lighting applications.

The lighting management components of the LIMO Set use the ready2mains™ technology from Tridonic. This means that digital control signals are transmitted between sensor, gateway and LED luminaire via the existing power cables with no rewiring necessary for additional lighting management.

Thorn's LIMO Set is perfect for use in offices and other workspaces previously equipped with no independent lighting management system and is the ideal solution for energy-efficient workspace.



Preparing pharmaceutical and medical technology for the future

- Visit Mitsubishi Electric at Medtec Ireland Stand 401 to learn more

Production environment requirements in the pharmaceutical and medical technology sectors are very high and producers need to keep abreast of current industry trends. Such trends include; process optimisation for the purpose of increasing overall equipment effectiveness (OEE), effective asset life cycle management and predictive maintenance using enterprise mobility and intelligent solutions (smart apps). Increasing networking along with the use of automation technology in accordance with Industry 4.0 have paved the way for these developments.

Industry 4.0

The Internet of Things has found its way into production in the form of Industry 4.0: increasingly networked systems with more communication-capable components have meant an ever-increasing volume of data. Thanks to "big data", production is being made more and more intelligent, with the pinnacle of achievement being the smart factory. The key to success lies in determining the right information from the mass of data available, analysing the data and drawing findings from them. The aim of such Smart Data Management is to optimise the plant in question and prepare it for the future in terms of site operational excellence.

In addition, overall equipment effectiveness (OEE) has developed into an obvious trend. The main factors that have contributed towards this have been optimised plant utilisation and productivity for which manufacturing execution systems (MES) and enterprise resource planning (ERP) are of vital importance. Interfaces such as the MES interface from Mitsubishi Electric enable data to be collected quickly and easily at plant level and transferred to higher-level MES or ERP systems at the control level for further analysis. OEE can be specifically optimised based on the results without the need for a gateway PC to transfer the data. Based on the System Q PLC from Mitsubishi Electric the MES interface can be configured by a plant engineer in just around 15 minutes.

Cost control strategies look for a more compact design, shorter production cycles and substantially minimised

waste. Automation technologies strongly support these approaches with robot technology in particular being used to achieve these aims.

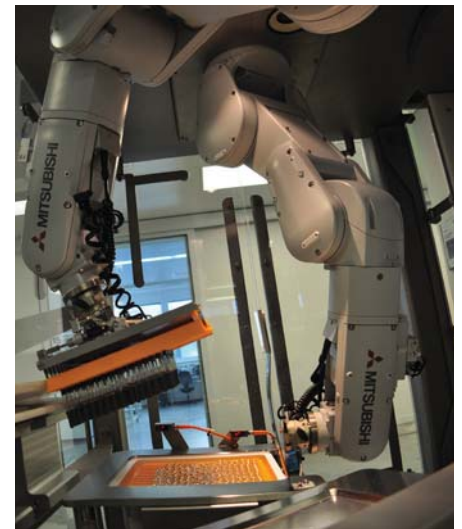
Collaboration between Robots and Humans

Today's pharmaceutical and medical technology production environments see robots and human operators increasingly working side by side. Mitsubishi Electric's integrated Robot Safety Solution helps manufacturers to boost productivity and lift human-machine collaboration by allowing the robot to continue operation, within tight constraints, while operators access its work cell. Safety sensing technology detects movements in two predefined zones within the operating environment of the manufacturing cell and transmits the information to the SafePlus safety system. A reduced operating speed or a movement stop is then assigned to the robot in real time, thus enabling operators to work in close proximity to the moving robot without a safety cage. As a result, humans and robots are able to work within an environment where the risk of danger is eliminated.

Robot-assisted handling solutions: compact, flexible and quick

Space is an expensive commodity, especially in cleanrooms. The manufacture and maintenance of these plants where an extremely high level of hygiene is required are extremely costly. Compact components are all the more important as ultimately, the machine needs to be space-saving. Mitsubishi Electric components such as SCARA and articulated arm robots, controllers and servo drives are characterised by their particularly space-saving design and are suitable for flexible applications even when space is restricted. Easy handling enables fast integration, commissioning and adjustment.

One example of a highly compact handling solution came from Robotronic AG. Their required a secondary packaging solution for supplying and packing filled vials of various sizes. The solution needed to be integrated in an existing system with limited available space. The modular design principle of the modular robot technology (MRT) produced by Robotronic provides excellent design flexibility. As a result, the basic module



Robots are increasingly taking on handling tasks to reduce human effort in the medical/pharma sectors, for example by supplying filled syringes to the end-of-line packaging station

for the MRT cell has a footprint of just 1.0 x 1.30 metres and is approximately 2.20 metres high, so it also meets the minimal space requirements. The solution for the cleanroom class in accordance with GMP standard level D consists of two MRT cells, each with a compact robot from Mitsubishi Electric and a conveyor line with eight positioning screws, driven by Mitsubishi Electric servo motors. The robots place the vials in the blister packs at a processing speed of 300 units per minute.

Hygiene in cleanroom systems

The increasing use of automation technologies, especially robots, has led to an increase in the demand for systems which meet high cleanroom requirements. It is also just as important to be able to clean a plant before a production changeover without any major costs being incurred. That means that it must be possible to clean the components in place (i.e. be CIP-compatible) using aggressive chemicals like H₂O₂. For that reason, Mitsubishi Electric also offers its customers multi-resistant versions of its new generation of MELFA robots which have been approved for regular CIP cleaning using H₂O₂. MELFA robots can even meet cleanroom class requirements; ISO 3, are dust proof, and have IP67 environmental protection.

For more information visit Mitsubishi Electric at Medtec Ireland Stand 401 to learn more.



for a greener tomorrow



Robots collaborating safely with Humans.



See us at
**Medtec
Ireland
Stand 401**
for more info

In today's flexible production environments, robots and human operators increasingly work side-by-side. Mitsubishi Electric's integrated safety solution, MELFA SafePlus, limits the speed, range of movement or torque of the robot when safety sensors are activated, allowing operators to work in close proximity to a moving robot. This integrated safety solution helps manufacturers boost productivity and lift human-machine collaboration to a new level by allowing the robot to continue operation within tight constraints, while operators access its work cell.



ie3a.mitsubishielectric.com



Beltronics - The QVIS MODULAR Range offers a fully integrated component build for a simple, cost effective installation.

The QVIS range of complete LED luminaires, available from Beltronics, are designed with the installer in mind, and not just supplied in individual component form. Understanding the customers' needs is important, from fire rated TPa Polycarbonate, through to a low glare (UGR<17) Microprismatic. The component integration remains high, with 50-100,000 hour chipsets and driver combinations from market leaders including Samsung, Tridonic and Philips. QVIS do not offer a 'one panel fits all' approach, and have 5 different panel component solutions for a range of requirements stocked in volume.

The ability to tailor products to customers' requirements and deliver within impressively short lead times from order to site is of great help to installers. Additionally QVIS offer emergency lights across all specifications, which aesthetically look

the same and all come complete with an integrated emergency indicator built within the frame. With a pre-fitted and wired component bar, basing a driver, emergency 3w battery and choc box/push connector, a simple connection with no retro fit means shortened installation times and reduced costs. No additional wiring is necessary, nor a need for separate cut outs.

From entry level to high end, the QVIS panel tiers give an option on build quality and price point, enabling the right type of luminaire for the right project. The entry level, with Philips CertaDrive and impressive 90Lm/cctW is no budget luminaire and outperforms even the best offerings on the market. With a 56,000 square foot fulfilment centre you can rest assured that, not only do QVIS have the quality you require, but also the quantity you need, when you want it; avoiding difficult hand over situations with your client. Their in

house lighting design team are fully accessible and can take the stress out of the project, with the ability to design the lighting requirements, CAD overlays and provide energy calculations.

As QVIS have partnered with Tridonic and Harvard in the UK, they can offer across all modular panel builds, any form of analogue (1-10v) or digital dimming (Dali/DSI) for next day delivery or a maximum of two days for high volumes.

The QVIS full range of complete LED luminaires are available in Ireland through Beltronics.

For more Information
Beltronics Computers Ltd, Unit 12 Knockmitten Business Park, Knockmitten Lane Dublin 12
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Fax: 01 4092602
Email: cctv@beltronics.ie



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LED LIGHTING

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Qvis High Performance LED Panel Range

**50,000 Hour LED Chips & High End Drivers
Offered Across The Full Range**

**A Range Of Mounting
Options Available**

**Designed with the
installer in mind**

**Emergencies all come
complete with our integrated
emergency indicator**

**The QVIS Modular Range offers a
fully integrated component build,
for ease of installation**



40w Spec Panel

- Samsung LED Chipset
- Tridonic 50,000hr Driver
- 4000 Lm
- PC Diffuser
- Microprismatic Diffuser As Standard
- 4000K



40w Mid Tier Panel

- Epistar LED Chipset
- Philips PRO 50,000hr FF* Driver
- Fully Flicker Free*
- 3800 Lm
- PC Diffuser
- 4000K/6000K
- Dual Colour - One Switch



40w Entry Level Panel

- Epistar LED Chipset
- Philips ECO 30,000hr Driver
- 3600 Lm
- PS Diffuser/Micropism Diffuser
- 4000K/6000K



40w Entry Level Panel

- Epistar LED Chipset
- Q-Drive 30,000hr Driver
- 3600 Lm
- PS Diffuser
- 4000K/6000K



- **Integral Indicator** With Emergency Panel Option
- Powder Coated RAL 9016 White Frame
- Ultra Slim Design (7.5mm)
- DALI Dimming Available

- **Super Low Glare Panel**
- QVIS Microprism Diffuser Optic
- Designed for Low Glare Applications
- UGR<17

Integral
Indicator



Microprism
Diffuser Optic



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SWITCH OPTIONS



MODULAR
SYSTEM



25 YEAR
RANGE GUARANTEE

Exclusively Available From



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AP HASLAM LIGHTS UP

LED lighting (Light Emitting Diode) is the most efficient, cleanest and eco-friendly method of illumination, so it's not surprising that the 'technology of digital light' is fast becoming the solution of choice when it comes to upgrading or installing new lighting systems.

AP Haslam are pleased to have recently been appointed as distributors in Ireland for **Raytec**, a leading specialist in Hazardous Area LED illumination. Founded in 2005, Raytec is fast becoming one of the world leaders in LED lighting for security and safety, with over 500,000 products currently in service.

Raytec SPARTAN is an outstanding range of high-performance, Hazardous Area LED Flood, Bulkhead, Linear and Crane Luminaires delivering world class efficiency and reliability.

Following a visit to Raytec, **Keith Haslam**, AP Haslam's General Manager, saw how:

"Raytec is 100% focused on lighting and, unlike many other lighting products, Raytec Hazardous Area LED Luminaires are designed and manufactured in the UK, are ATEX and IEC Ex approved and ISO9001 & ISO14001 certified – and most importantly they come with a full no-quibble 5-year warranty."

With the introduction of Raytec to their list of suppliers, AP Haslam can also now provide a **new Lighting Design Service**. Their experienced designers will work closely with you and your site plans to determine your individual requirements, providing a survey report with 3D diagrams demonstrating what your final lighting installation will look like – in a variety of different and practical views.

Focusing on the advantages of LED lighting, **Richie Kavanagh**, Sales Representative at AP Haslam, says:

"This big leap in technology is the lighting equivalent to the upgrade from analog to digital. While energy efficiency is obviously a compelling case for LED, they also have outstanding operational life-time expectation of up to 100,000 hours, that's equivalent to 11 years of continuous operation."

"Added to that LED lights are robust and contain no toxic materials and are 100% recyclable and produces little infrared light and close to no UV emissions."

According to Richie, the main reasons customers are turning to the Raytec range can be summarised as follows:

- **Energy Efficiency**
Traditional incandescent light bulbs operate at 20% energy efficiency, with 80% of the electricity converting to heat. The opposite is the case when it comes to LED.
- **Long Life durability**
LED have outstanding operational life-time expectation of up to 100,000 hours – equivalent to 11 years of continuous operation, or 22 years of 50% operation.
- **Ecologically Friendly**
LED lights contain no toxic materials and are 100% recyclable.

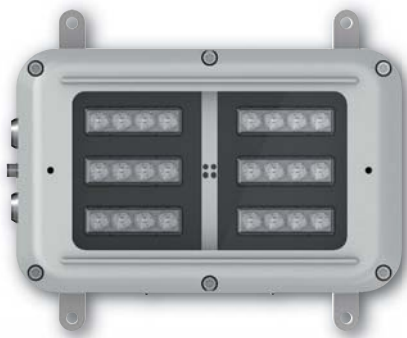


Raytec
SPARTAN FLOOD
5,500 lumens – 68 watts

- **Robust**
Because LED lights are resistant to shock, vibrations and external impacts, they are ideal for outdoor lighting systems exposed to rough conditions.
- **Zero UV Emissions**
LED illumination produces little infrared light and close to no UV emissions, making LED highly suitable for illuminating heat-sensitive areas from freezer rooms to food processing and pharma plants.
- **Instant Lighting & Frequent Switching**
Unlike traditional lighting, LED lights brighten immediately when powered on and can also be switched off and on frequently without affecting the LED's life-span or degrading its light emission.
- **Low-Voltage Advantage**
LED illumination will work efficiently with a low-voltage power supply, making it the obvious choice in outdoor settings when using an external solar-energy storage source.

AP Haslam's representatives look forward to telling you more about Raytec's outstanding range of high-performance, Hazardous Area LED Luminaires over the coming months. Phone 01453 2522 for more information.

SPARTAN BULKHEAD



SPARTAN Bulkhead is a compact, low profile luminaire designed for restricted space applications. It provides the highest performance and efficiency while maintaining excellent reliability. SPARTAN Bulkhead luminaires are available as standard or emergency variants.

SPARTAN LINEAR

SPARTAN Linear luminaires are available as standard or emergency variants and are designed for new installations or to retrofit existing fluorescent installations, easily allowing the customer to enjoy all the benefits of LED lighting while making regular lamp changes redundant.



SPARTAN FLOOD



SPARTAN Flood is a complete family of hazardous area floodlights. Available in 3 sizes and as standard or emergency variants. SPARTAN delivers the highest performance, most energy efficient, modular and maintenance friendly solution for hazardous environments.

SPARTAN CRANE



The **SPARTAN Crane** luminaire is designed specifically for use on boom cranes where high performance, high reliability, White-Light illumination is required to ensure the safety of crane operations. SPARTAN Crane luminaires are available as standard or industrial variants.



A New Service from AP Haslam and Raytec

Raytec's lighting designers will work closely with you to determine your requirements, and ultimately demonstrate what your final lighting installation will look like.

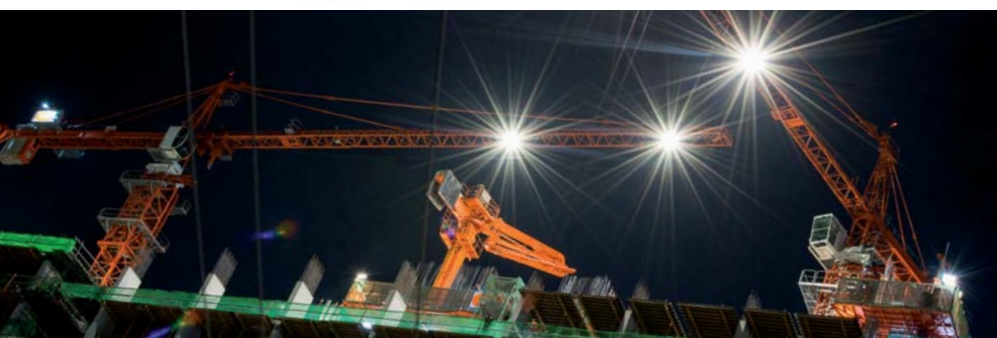
The Survey & Report

Our specialists will undertake a full survey of your premises and lighting requirements.

They will then provide you with 3D and 2D modelling from your plans showing you:-

- Full Site Modelling
- 3D Lighting Positions
- 3D Illuminance Mapping
- 2D Lighting Positions
- 2D Illuminance Mapping

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method of illumination
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specialist in LED lighting

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Industrial Electrical Equipment Specialists

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A quantum leap for greater cost-effectiveness

Under the name "Blue e+", Rittal is launching a completely new generation of cooling units – a quantum leap in terms of cost-effectiveness.

As well as providing far higher energy efficiency than existing cooling solutions, the units are also distinguished by their flexibility, safety and ease of handling.

The enclosure technology supplier is once again underlining its role as a technological leader in climate control systems.

Rittal – The System.

Faster – better – everywhere.

World's first.

Blue e+.

The **e+** principle for a new dimension in energy efficiency and user-friendliness.



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Thanks to the Trade Counters of South Dublin for distributing our magazine



Euro Sales, Ringsend

Jason Reid, David Donoghue Glenn Murphy, Anthony O'Keefe & Keith Grehan



Bowen Electrical

Michael Bowen, Colin Little & Jonathan Long



Kelliher's, Sandyford

Derek Martin, Ronan O'Conchuir, David O'Neill & Wayne Murphy. (Colm Ward not in picture)



Euro Sales, Sandyford

Ray Harte, Henry Grant, John Lowndes, Duane Brack, Mark Donoghue, Sarunas Adomavicius, Adam Plawecki & Mark O'Toole

Rittal launch Blue e+ range in Ireland

- Irish launch of the new generation of cooling units in Mondello Park on July 8th



L to R: Tony Wall, David Freeman, Larry Mourdant, Maurice Coughlan, Pat Twomey, Mark O'Neill

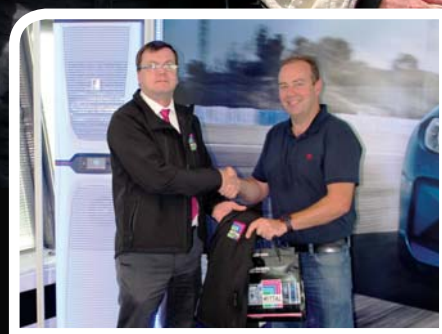
On Friday July 8th, Rittal hosted an event in Mondello Park to launch the Blue e+ range, a new generation of cooling units.

Customers got the opportunity to see product demonstrations and to chat with the industry experts. They also got to try out some racing cars, hand brake turns and to visit the Mondello Motorsport Museum.

Christian Westwood, Industry Manager discussed how choosing the right air conditioners for enclosures can have a tremendous impact on the overall performance and efficiency of industrial operations. Proper and efficient air conditioner cooling can significantly prolong the life of installed equipment, save energy and utility costs, and protect

against unscheduled downtime. Although cooling is sometimes an afterthought during the course of planning a project at the enclosure layout level, with careful consideration and the right information, it can truly become an asset for increased productivity and profitability.

Selecting the right air conditioner for an industrial enclosure application is crucial to maximizing efficiency, performance, and overall return on investment. Knowing what factors to consider, and taking the time to properly evaluate the products available, can save money by reducing utility costs, drastically improve the life and reliability of installed equipment, and solidify operations as a whole through increased productivity and limiting unplanned downtime.



Tony Mulcahy from Air Condition Solutions, Cork with his Jacket and goodie bag for have the fastest lap



Christian Westwood, Industry Manager - Infrastructure presenting the Blue E+ at our launch day in Mondello on July 8th



Enquiries to
sales@rittal.ie
phone: 059-9182100



The cars all line up



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The most advanced electric radiator available

Dimplex have been developing electric heating for almost 70 years. All direct electric heaters cost the same to run, with Dimplex it's about control and comfort, that's why we developed the Q-Rad.

- Hybrid dual element technology
- Simple touch control with LCD display
- Eco-Start auto pre-heat function
- Open window detection
- Fully programmable
- Advanced temperature control



Search "Dimplex Q-Rad" on [YouTube](#)



Dimplex®

For specification, contact Dimplex on 01 8424277 or email: sales@dimplex.ie

Maximum Comfort at Minimum Cost with Dimplex Q-RAD

Incorporating the most advanced technologies, to give maximum control over heating, the Q-Rad, from Dimplex, is the company's most intelligent electric radiator to date.

Designed and developed at the company's R&D unit in Dunleer, County Louth, the radiator takes its design inspiration from Dimplex's category-leading Quantum heater.

Q-Rad is sleek, slim and stylish and comes with a host of unique, intelligent energy-saving and cost-saving features which set it apart from any other product on the market.

The Dual Element Technology of both convective and radiant heat means that a room is heated up in the shortest amount of time to maximise comfort levels and minimise cost. The Open Window and Door Detection feature means

that the Q-Rad intuitively adapts when there is a sudden change in temperature. The Q-Rad reacts to this by going into standby mode in order to minimise heat loss and maximise performance.

The Q-Rad's Eco-Start Anticipatory Control has a unique, self-learning, delayed start function which learns the thermal characteristics of a room and determines how long the appliance needs to be on in order to reach target temperature, based on factors such as room size, heat losses and the prevailing weather. It learns the behaviour of the household's needs and adapts accordingly, thus giving the Q-Rad its reputation as being the 'electric heater with a brain'.

The Q-Rad has been created with the customer at its core and comes with a user-friendly display screen. It also has an LCD touch screen, which comes pre-programmed with



four timer modes - Out All Day, Home All Day, Holiday and User Timer for maximum performance. The Q-Rad even comes with a child lock feature to prevent little hands from tinkering with the settings.

Dimplex is supplied in the Republic of Ireland by Dimpco distributors.

Contact Dimpco on 01 8424277, email: sales@dimpco.ie or visit www.dimpco.ie

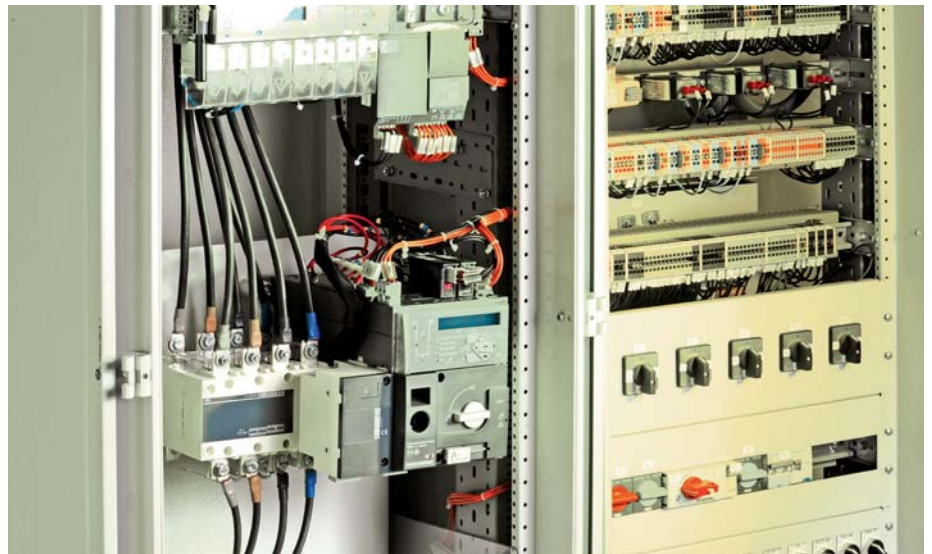
Automatic Transfer Switches

Wherever there is a backup or secondary power supply there must be a means of transferring from one source to the other. Automatic Transfer Switches (ATS) combine the mechanical changeover switching device and the control system which will monitor both supplies and change the switch from one position to the other automatically.

The Mains (or Primary) supply is constantly monitored and should it fail or fall outside of pre-set values (i.e voltage too low/high) the ATS will send a signal to start the Generator and then switch the load to the backup source when it is available. In highly critical environments the ATS will more likely be switching between two Mains supplies which are supplied through a UPS (Uninterruptable Power Supply).

Automatic Transfer Switches (ATS) are covered by IEC 60947-6-1 which states that the ATS must be a single complete manufactured product (as opposed to switching device and separate control circuit). Up until recent years it was common to use a means of switching (Contactors, ACBs, MCCBs or Changeover Switch) with a separate control circuit which combined Timers, Phase Failure Relays and Contactors. The problem with this solution is that there is no standard way to assemble the control circuit, meaning that upon failure of the circuit (usually at the worst possible time when transfer to the backup supply is required) an engineer may have trouble fault-finding and fixing the problem. During this time there may be no possibility to change to the backup supply.

Socomec's new ATyS range meets and exceeds the IEC 60947-6-1 standard. They combine a Switch,



Motor and Control module into one single off-the-shelf product which is ready for installation into an enclosure or distribution board.

ATyS's not only handle the switching of supplies in the event of failure, but also in other situations where the automatic transfer of supplies is necessary. In some cases the supplies may need to be periodically alternated (i.e. sharing the load equally between two Generators) or the use of the backup Generator is incentivised (utility company may offer an incentive to reduce their load at peak times). For this level of automation you will need an advanced ATS.

In a critical environment it is important to install the best possible ATyS. Socomec's ATyS P not only monitors the voltage and frequency of the supply but also the current and power (through external CT's). When fitted with an Ethernet module you can access its on-board webserver to view power measurements, a history of time-stamped events, and also schedule or instantly command the switch to change position or perform an On-Load or Off-Load test. All of this information can also be sent to a Building Management

System (BMS). There is also a Load-Shedding feature. This is used in situations where the backup supply does not have the capability to supply the entire load (usually an undersized Generator). Before switching to the backup supply a signal is sent and the non-essential loads are isolated.

The ATyS P has a self-diagnosis feature which will flag and communicate any component issues with its Motor or Control module. In the event of an issue, both the Motor and Electronic module can be replaced without the need to disconnect the supply, the ATyS can still be operated manually during this time. An ATyS is a fully interlocked isolation device. Both supplies can be isolated and the switch padlocked in the "OFF" position for building maintenance.

Single Phase and Three Phase versions are available from 40A to 6300A.

Contact:
Garó Electric Ireland,
sales@garó.ie,
Ph: 01 - 866 5360,
for more information or a demonstration.

When it comes to transfer switch equipment, opt for reliability



Automatic Transfer Switches from 40 to 6300A

The design of the products in the ATyS family, based on proven load break switch technology, guarantees both the continuity of the power supply and the safety of operators. Its stable positions allow energy consumption to be minimised whilst ensuring maximum immunity to electrical network disturbances, making this a truly robust and reliable solution.

Strong points

- Plug and play solution
- Manual emergency control
- Continuous information on product availability
- Robust products
- Optimised performance with utilisation categories up to AC33B 415Vac (IEC 60947-6-1)
- Larger tolerance to input voltage fluctuation within limits of 166 - 332 Vac



5 Product versions - ensuring a solution suited to your application



ATyS
Single supply
RTSE
applications



ATyS d
Dual power
Supply
applications



ATyS t
Transformer/
transformer
applications



ATyS g
Network/
Genset
applications



ATyS p
Power
Management
applications



Safe



Robust



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SLW360L

360° Flush Mount Ceiling

- Light ON time adjustable from 5 seconds to 18 minutes
- IP44 weatherproof rating

SLFM360L

**LED Energy Saving Bulkhead Lights**

- Wide light diffusion pattern
- IP65 weatherproof rating

ROUND

OVAL

**7W – 450lm**

LEDBHR7W

LEDBHO9W

15W – 900lm

LEDBHR15W

LEDBHO15W

25W – 1580lm

LEDBHR25W

LEDBHO25W

TIME**Timeswitches & Boost Timer****24 Hour Compact Immersion Heater Timeswitch**

- 16(6)A load rating
- Switches ON & OFF at pre-set times
NTT01

**24 Hour/7 Day Compact Electronic Immersion Heater Digital Timeswitch**

- 16(4)A load rating
- Automatic summer/winter changeover
NTT03

**2 Hour Electronic Boost Timer**Automatic timer countdown selection for up to 2 hours – 13A (3kW) loading
TGBT4**CLIMATE CONTROL****Room Thermostats & Heating Programmers****Digital Room Thermostat with Night Set-Back**

- Adjustable in 0.5°C steps
- Night set-back reduces set temperature by 4°C with 1 to 9 hours recall

TRT033C

**7 Day Digital Heating Programmers**

Different time/temperature periods programming

- 1 channel TRT034
- 2 channels TRT036
- 3 channels TRT038
- 4 channels TRT039

Please contact us for further information



Customers with some of the Eaton Staff

Eaton on tour

www.eaton.eu

Eaton customers around Ireland recently had the opportunity to view the very latest power management solutions right on their own doorsteps thanks to the highly innovative Eaton business trailer.

The custom-built truck transforms into a 130 sq m, two-storey showroom and seminar facility where customers can get to see at first hand the full range of Eaton LV & MV distribution switchgear for commercial, residential and industrial applications, arc fault protection, smart dimmers, and energy storage and control solutions.

Visitors to the nationwide series of Mobile Tech Days were able to avail of expert analysis, demonstrative exhibitions, seminars and classes to address their businesses' power management needs. The events also offered an opportunity for customers to meet and discuss business issues face-to-face with industry specialists.

"It has been a great opportunity for many of our customers to obtain an in-depth view of Eaton's power management solutions and speak with our product experts" said Phil Kane, Country Manager of Ireland.



Standing room only



The well attended seminars were on the upper floor of the truck

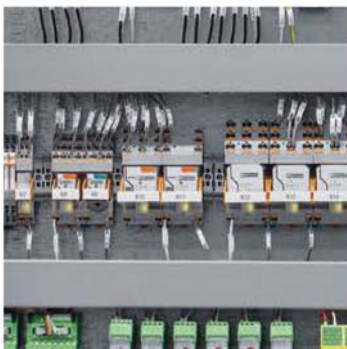
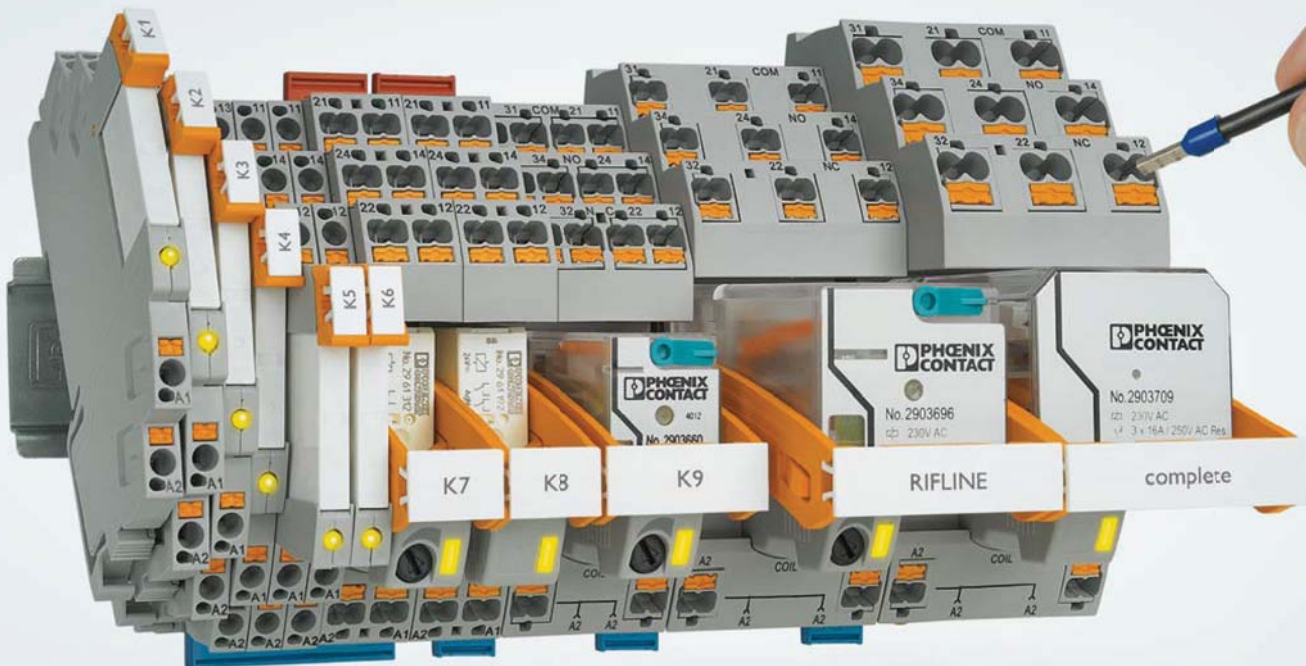


Stephen Quirke of PM Group wins the draw and receives an Ipad from Mark Reid



Paul Collier, Tom Murphy, John Robb, Oliver Collier and Dave McCabe

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Easy handling

RIFLINE complete relay system

You can carry out all standard relay applications using the RIFLINE complete industrial relay system. The area of application ranges from the coupling relay and timer relay through to the small power contactor replacement. Benefit from easy handling thanks to: easy wiring, easy potential distribution, easy expansion to the timer relay.

For additional information contact:
PHOENIX CONTACT (Ireland) Ltd.
A4 Nutgrove Office Park, Nutgrove Avenue, Rathfarnham, Dublin 14.
Tel: 01 205 1300 www.phoenixcontact.ie

High-power relays for high DC loads



New single relays are now available for the RIFLINE complete industrial relay system from Phoenix Contact. They are suitable for switching high DC loads up to 16 A and can be used universally as interface modules.

An integrated blowout magnet protects the contacts against excessive wear during the switch-off process. This increases the electrical service life of the relays. Due to the use of a high-performance contact material, they also have a good tolerance of current and voltage peaks. The electromechanical high-power relays are equipped with two N/O contacts connected in series. They are available in different voltage versions.

Knife disconnect terminal blocks with color-coded disconnect lever

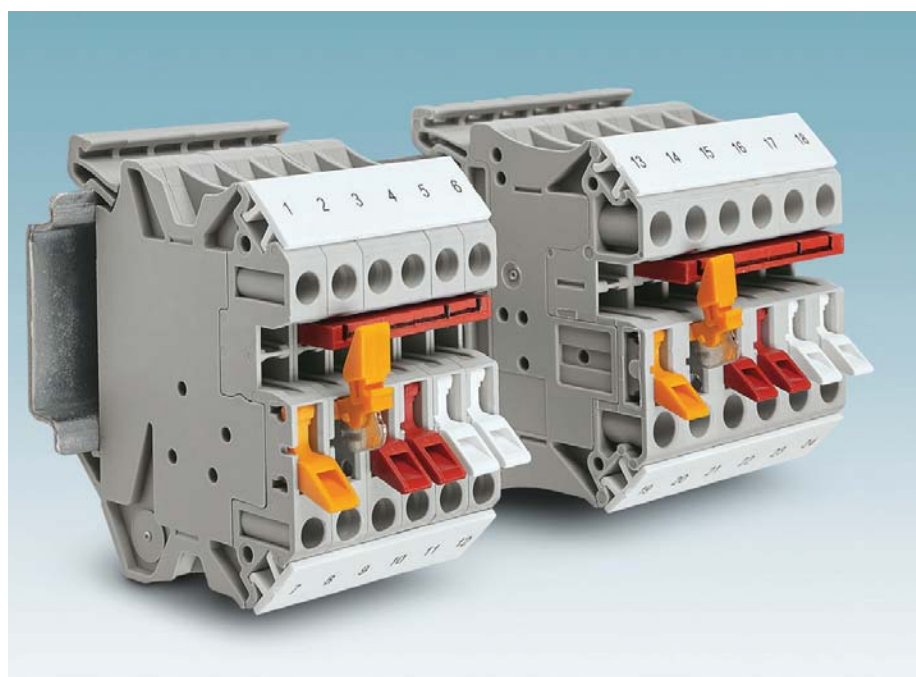
The knife disconnect terminal blocks from Phoenix Contact enable you to detect malfunctions and carry out inspections while the system is de-energized. The new UT...-MTL terminal blocks with screw connection have a disconnect lever which is actuated without tools. This enables the circuits to be separated easily. The disconnect lever locks in the end positions.

The disconnect point is also color-coded to make it easy to identify. The disconnect lever is available in orange, white, and red. Product versions with test socket screws are available for convenient measurement. This enables a measuring device to be looped in upstream or downstream of the disconnect point. The double

function shaft enables potentials to be distributed easily using plug-in bridges.

The new knife disconnect

terminal blocks are suitable for conductors up to 10 mm². The uniform Cliqueline complete system accessories reduce logistics costs for the terminal blocks.



Garrabridge Launch New LED Catalogue

Garrabridge was founded in 1999, using experience gained over twenty five years in international and domestic markets. Since then, they have steadily established themselves as one of Ireland's leading independent companies in the design and supply of lighting, emergency lighting and controls (Dali, Standalone Power, Distribution and Control Systems), with offices in Cahir, Co Tipperary and London.

The philosophy of the company is one of constant improvement whilst being innovative with lighting solutions. Aiming to design, develop and manufacture products to the highest standard while always listening to the needs of clients, is the main focus of the team at Garrabridge. The range of products on offer is as a result of collaboration with architects, designers and engineers, using the best technology and materials available to ensure the utmost in energy efficiency.

Garrabridge have an in house lighting design team with the knowledge and experience to develop an idea from concept to completion. They offer advice on value engineering options, the most appropriate energy saving solutions and at all times using Europe's leading component manufacturers. Maintaining the highest standards of customer service and technical expertise ensures the contractor on site is trained on the installation of their products thus preparing for the commissioning period from the outset.

Sectors Covered

Commercial
Retail
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Healthcare
Sports & Leisure
Educational
Pharmaceutical
Refurbishment & Fit Out
Custodial/Rail
Food Production
Logistics

If you would like a copy of the **New Garrabridge Catalogue 2016/17**, contact us at the address below

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Ireland.
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GARRABRIDGE
Lighting & Controls

Glamox C90-R

Homogeneous luminous surfaces



Glamox introduces a new modular LED luminaire, the C90-R

The new Glamox C90-R is a family of modular LED luminaires with large luminous surfaces and generous light output which offers maximum flexibility and excellent visual performance. The flush design and use of quality materials means that the luminaires will seem like an integrated part of the ceiling.

Glamox C90-R is constructed with particular focus on the quality of light emitted from the luminous surface. The tailor-made LED modules are designed to provide the best possible light quality. The distance from the LED modules to the optics is carefully calculated to ensure perfectly even illumination.

Completely sealed

The luminaire housing is completely sealed, allowing no access for dust or insects. The luminous surface will stay pristine and not be spoiled by ingress of flies or dirt. C90-R is delivered with an external driver box, which means that the installation is carried out without opening the luminaire housing. This eliminates concerns about



the occurrence of uncontrolled electrostatic discharges.

Suitable for most ceiling systems

Glamox C90-R is suitable for all 15 and 24mm T-bar ceilings, and for Ecophon Focus Ds and Rockfon system T24X ceilings (concealed

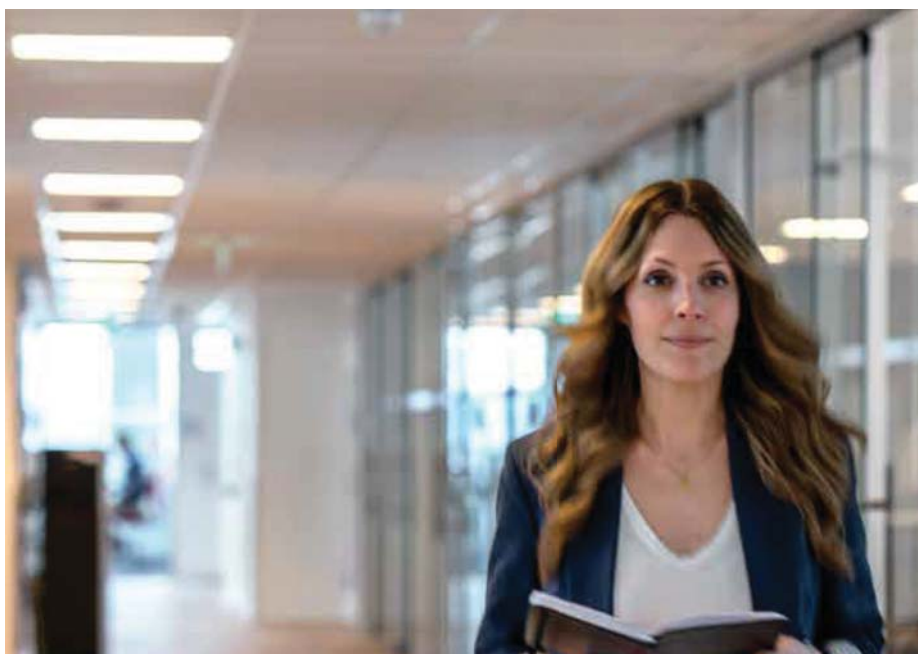
profile).

Once mounted, the luminaire's frame will not be visible. The perfectly shaped frame around the optics is made in one piece without any joints, and is only 12mm wide. This makes the frame invisible in a T-bar system.

C90-R is also available with a purpose-made frame for mounting in plasterboard ceilings.

CCT-version

C90-R is available with tuneable white (CCT) LED light sources. Human Centric Lighting solutions have a positive effect on people's daily rhythm, work performance and well-being.



**Glamox Ireland Ltd.
Unit C12, The Exchange,
Calmount Business Park,
Ballymount, Dublin 12.**

**Telephone: +353 1 4500 755
info.ie@glamox.com
www.glamox.ie**

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backplate



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gateway



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the app



Beat the
rush hour
home!

Drayton

by **Schneider** Electric

Schneider Electric adds more power -upgrades energy management software



Power Monitoring Expert version 8.1 helps maximise system reliability and optimise operational efficiency to increase your profitability

Schneider Electric, the global specialist in energy management, has announced upgrades to its Power Monitoring Expert software. Power Monitoring Expert version 8.1 is a complete supervisory software package for power management applications. The software collects and organises data gathered from the facility's electrical network and presents it as meaningful, actionable information via an intuitive web interface.

A significant feature of version 8.1 is Power Quality Advisor. This is a module which allows facility managers and energy managers to understand power quality impact on production and the associated costs. Advanced analytics automatically triages disturbances through an easy to understand colour code. If the indicator is red, a severe event has occurred that may impact production or equipment. Yellow indicates a status is approaching a threshold or limit. Green indicates that your power is operating within

an acceptable quality range.

With Power Monitoring Expert version 8.1, end users can:

- Increase production uptime by understanding how power quality impacts processes and providing corrective actions
- Monitor system reliability with Power Quality Rating, this ensures the ongoing health of electrical systems and increases energy awareness
- Print and analyse reports and share with key stakeholders to influence decision making, resulting in cost and energy savings
- Decrease costs related to Power Quality issues, for example production downtime and power factor penalties
- Troubleshoot and analyse power quality via the Power Quality Advisor analytics interface
- Save time that would otherwise be spent trying to make sense of raw power quality data via an intuitive dashboard.

"At Schneider Electric we are focused on providing a fully

integrated power quality solution of hardware, services, and enterprise software platforms. This differentiates us from other players in the market. With Power Quality Advisor, facility and energy managers can monitor, manage, and view energy usage in real-time. Equipped with this level of insight, organisations can significantly reduce their energy consumption which translates to a healthier bottom line" said Pat O'Neill, business development manager, power monitoring at Schneider Electric.

Power Quality Advisor is able to be fully integrated with the rest of the Schneider Electric metering range and is available now. To learn more about Power Monitoring Expert version 8.1, customers can contact their local Schneider Electric representative or visit www.schneider-electric.com





Are you currently undertaking a new build or refurbishment project?

Do you wish to reduce the amount of Emergency Lights being installed?

Do you want to save on the amount of lighting points to be wired?

Do you want to reduce your labour time on site?



The OptiLens is a high specification competitively priced recessed emergency LED down lighter. The OptiLens utilises the latest lens development to provide market leading uniform light distribution for both escape route and open area emergency lighting applications, reducing the number of required emergency luminaires and radically reducing the overall electrical power consumption.

Supplied with both the escape route lens (asymmetrical light pattern) and open plan lens (symmetrical light pattern) as standard, the OptiLens offers for the client ease of order processing and on-site installation.

- Suitable for recessed ceiling mounting.
- 38mm ceiling cut out
- 220mm ceiling void compatible.
- Dimensions of lamp head – 50mm
- Dimensions of remote pack – 480mm x 30mm dia
- Easy to install and maintain.
- IP44 from below lamp head.
- 5 year warranty.



***OptiLens LED
1 Luminaire @ 4 m
(Mounting Height)
= 21m Light Coverage***

VENTILUX IRELAND

IDA Business Park, Southern Cross Road, Bray, County Wicklow.

T: +353 1 214 8800 - www.ventilux.com

Ventilux moves to new premises in Bray

On Monday 29th August 2016, Ventilux, the Irish-owned family-run emergency lighting manufacturer, moved to a larger premises at Bray IDA Business Park on the Southern Cross Road.

The new 35,000 sqft premises is more than twice the size of the company's previous base and provide an up-to-date manufacturing facility in keeping with the needs of this progressive company.

The relocation is part of the Ventilux's forward-thinking attitude and will help it service its wide-ranging client base in an even more efficient way. These new facilities complement the company's UK operation.

New products from Ventilux

ETS LED IP65 TWIN SPOT



The ETS LED IP65 twin spot range of luminaires have been specifically designed to provide a cost effective and low maintenance emergency lighting solution in high bay industrial areas.

FUSION LED



The FUSION LED is an easy to install, unobtrusive and economic panel edge lit EXIT sign product fitted with a LED lamp source.

EVOLUX LED 5 WATT



Designed for indoor installation in a range of public locations the EVOLUX 5W is an ideal cost effective solution where the emphasis is on discrete and aesthetic appearance.

VISOR LED DOUBLE SIDED



The ETS LED IP65 twin spot range of luminaires have been specifically designed to provide a cost effective and low maintenance emergency lighting solution in high bay industrial areas.

VEGA LED



Designed for unobtrusive indoor installations, the flush mounted VEGA LED is the embodiment of discretion, offering both the specifier and installer a high quality, economic, easy to install recessed LED luminaire.

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ABB-free@home® Making home automation easier than ever

ABB-free@home® provides a home automation platform that allows simple installation and commissioning of a fully automated home which can be controlled with your smartphone, tablet, or computer. Commands can be given by touch or voice control. The installation ensures easy, flexible and future proofed control of all of the functions.

ABB-free@home® allows the complete regulation of all of the automated features of the home. It provides functionality that is mobile and smart, precise and continuously variable.

For example, if the lighting atmosphere is to be changed, tapping on the touch screen or even a simple voice command can move the blinds, change the colours of the lights or select a pre-programmed lighting scene.

The ABB-free@home® home automation makes daily life easier. **Motorised blinds, lighting, heating, air-conditioning and door communication** can be controlled together. The smartphone becomes the remote control in the house. The blinds can be moved up and the radio in the kitchen can be switched on with the touch of a button while you are still in bed – or all lights and devices are deactivated via a switch when leaving the house.

“High levels of comfort and security as well as improved Energy Efficiency”

Door communication

The ABB-Welcome door communication system can be

integrated into ABB-free@home®. The door communication and home automation can be used together with ABB-free@homeTouch 7". For example, the light switches on when the doorbell rings to see visitors more clearly. And for reasons of safety, the video camera records pictures of visitors at the door when no one is home.

Picture directly on the display

Practical and comfortable. The image of the video camera can be displayed on the tablet or smartphone via the Welcome app. In this way, any visitors who ring the bell can be recognised even if you are not at home (requires the ABB-Welcome IP gateway and ABB-Welcome outdoor video station).

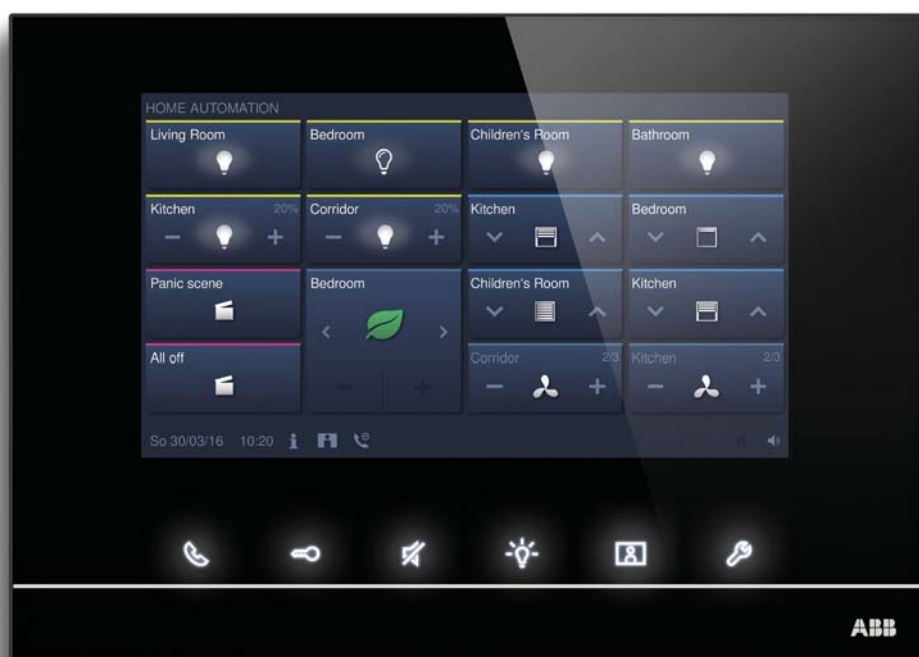
Security while you are away

Even when you are away from home you can still be kept up-to-date. ABB-free@home® informs

you (either as e-mail or push-notification on the smartphone) about current events at home – such as when a movement detector detects a movement or when a window has been open for a long period of time. For additional security while you are away the presence simulation of ABB-free@home® records the weekly sequence of the devices. This means that its response is completely the same whether the residents are present or absent. Whether on a business trip, on holiday or while shopping around the corner, a safety check of the entire home is possible from anywhere in the world.

Voice control

The activation of the voice control in the ABB-free@home® app suffices to control the climate, lights and safety in the entire house via voice input. Very simple, without having to learn special commands and without laborious configuration.



ROBUS®



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Comparable to 35/50W mains halogen
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Suitable for switching by PIR, Microwave or Photocell
Suitable for use in fire rated downlights



LEDCHROIC™

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OR ALTERNATIVELY PLEASE CONTACT OUR SALES OFFICE ON: IRL: (01) 709 9050; UK: 0800 973 220**



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WEB: WWW.LEDGROUPROBUS.COM
WWW.ROBUSDIRECT.COM

Lower Lighting Bills with ROBUS

ROBUS provided Grant Thornton an energy saving lighting upgrade in their Dublin offices. The new lighting significantly improved the office environment and is reducing lighting bills, reducing energy consumption and eliminating maintenance costs.

By using ROBUS Lighting, Grant Thornton were able to avail of the Sustainable Energy Authority of Ireland (SEAI) grant aid known as Accelerated Capital Allowance (ACA). This is a tax incentive for companies paying corporation tax, and aims to encourage investment in energy efficient equipment such as Triple E Rated lighting, as offered by ROBUS.

110 SPACE LED Panels were installed, replacing 2 x 55W PLs and 2 x 26W PLs. Lisa Ward, Director of Facilities for Grant Thornton said:

“We are absolutely delighted with the new ROBUS LED SPACE panels which have provided very impressive cost savings to Grant Thornton. The panels generate a wonderful daylight effect in our offices, unlike the older versions which were so yellow in comparison. Since they don't need any dusting or cleaning, we look forward to many years of maintenance free natural effect LED lighting!”

Utilising the latest SMD LED technology, ROBUS SPACE panels are the latest generation of edge lit LED panels providing solutions for applications in installations where non-dimming, daylight dimming or functional dimming are required. They replace the standard T8 and T5

lay-in modulars to provide energy efficient & low maintenance solutions where constant replacement of fluorescent tubes and cleaning of the fitting can be avoided.



For more information, please visit www.ledgrouprobust.com or call (+353) 01 709 2000.



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Designed and Engineered By

EcoVolt



EMDA

Model No.	Rating	Size (cm)	Weight (kg)	Area m ² Poor/Good Insulation
JT6r	600W	50 x 58 x 8	8.2	6 / 8
JT9r	900W	58 x 58 x 8	9.1	9 / 12
JT12r	1200W	82 x 58 x 8	13.2	12 / 15
JT15r	1500W	98 x 58 x 8	16.8	15 / 18
JT20r	2000W	114 x 58 x 8	20.2	18 / 24

EcoVolt Limited
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Phone: +353 (0)1 524 0387
Email: info@ecovolt.ie
www.ecovolt.ie

JouleTherm Electric Heating makes light work of Georgian Office Development

Four stories over basement this historic Georgian building on Upper Mount Street Dublin 2 is one of the latest buildings to be fitted out with the JouleTherm Electric Heating and Control System. Designed as multiple let commercial offices, the emphasis on the design team was to have a multi-zone fully controllable efficient heating system.

Several systems were looked at in the design stage from electric to wet systems. The project was awarded to Ecovolt because they could deliver everything the design team required and within the allocated budget.

P. Malone Electrical headed up the electrical team and worked very closely with Ecovolt from design stage right through to commissioning stage. Philip Malone from P. Malone Electrical tells Electric.ie how his team made light work of such a complex building. "From the outset with this project the heating system was all about control. Every part of the electrical infrastructure was designed for the client to have either one main tenant or multiple tenants occupy the building, so the heating system had to have the facility to control multiple zones. EcoVolt came to site and took detailed room measurements and presented us with a detailed proposal. There was no complex wiring required



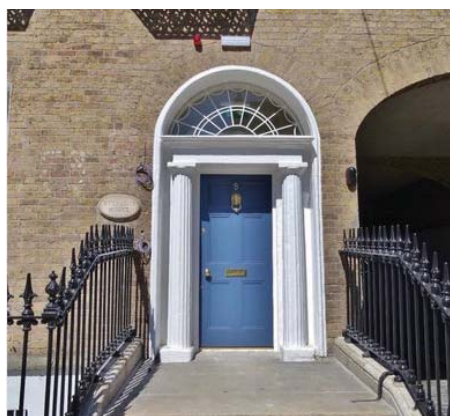
or control devices needed in distribution boards. All that was required from us was a dedicated heating circuit to the proposed radiator location and the radiator paired with the main touchscreen wireless control panel. The installation of the system was really so easy for my team. As an electrical contractor that is pivotal for success on tight scheduled projects. I cannot recommend the JouleTherm Heating System highly enough and I look forward to using it again on future projects"

So what gave EcoVolt the upper hand over it's competitors on this project? Stephen Dempsey from EcoVolt says. "There are not many electric heating systems out there where you can take a radiator out of a box, hang it on the wall and control it wirelessly from a central control panel. It sounds simple and it is. We have done all the

work to make it that simple. From a single heating zone to 40 heating zones that is what our system can do without complex control cabling or devices. Our system is a contractors dream. Everything is built into it. It is so easy to install, configure and control. We tapped into this technology long before our competitors did and we have thousands of projects under our belt and that gave the client every confidence for this project"

Ecovolt are now launching their 2nd generation electric radiator designs. The "JouleTherm JTr" range are made from die-cast aluminium castings finished in powder coating RAL 9010 Pure White. Within each radiator are their Kaolin / Ceramic heating elements for excellent heat retention with their exclusive RF digital thermostat controls with central control functionality.

The JouleTherm JTr comes in 5 sizes, 600W, 900W, 1200W, 1500W and 2000W and is available for purchase now.



Contact details:

EcoVolt Limited

Tel : +353 1 524 0387

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Website : www.ecovolt.ie



**QUALITY
LED LIGHTING
SOLUTIONS FROM
VOLTICA**



Demesne announce new partnership with Voltica, Poland's premier LED lighting manufacturer

Demesne Electrical are delighted to announce a new partnership with Poland's premier LED lighting manufacturer Voltica.

Voltica are a leading supplier of LED energy saving lighting solutions for a wide range of industries such as warehouses, manufacturing plants, hospitals, garage forecourts, motorway and street lighting, cold stores and food production sites.

All the Voltica products are designed and manufactured in their factory in Poland and are certified with EU standards. All of the products have patent certs.

Reliability of the products and long services life of LED diodes from Bridgelux (100 000 hours of work), results in minimizing the costs of service for several years of operation.

Such is Voltica's confidence in their products they offer an incredible 10 years warranty on all their products, meaning a maintenance free lighting solution for you.

Projects

Voltica have provided LED lighting solutions for many projects across Europe. Some of their recent projects include -

- Dublin Airport
- Coca Cola
- Danone
- Skoda Poland
- Carrefour France
- A1 Motorway Poland
- Warsaw Airport
- Cracow Airport
- Reckitt Benckiser



For more information...

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e
SERIES

Over €350 million worth of
160 Series alarms sold to date



New EI Electronics 160e Series

-The Next Step In Alarm Evolution

Ei Electronics market leader in domestic mains powered Fire and Carbon Monoxide (CO) detection, unveils the latest in Smoke and Heat Alarm technology with its new 160e Series.

With over €350 million of the 160 Series alarms sold to date, the new 160e Series builds on this high quality, reliable and proven technology to produce a cleaner, modern designed alarm containing a whole raft of enhancements to increase protection and performance.

The alarms have been completely redesigned to lend themselves to suiting most modern properties and to complement the latest Ei Electronic accessories. The new 160e design is up to 18% slimmer when compared to the previous 160RC Series alarms allowing them to be less obtrusive in the room, whilst maintaining the same easy-fit footprint making it simple to upgrade from previous EI alarms.

The units have been made all the easier to install. Additional screw holes have been incorporated into the base to save on installation times with all hole positions matching previous alarm bases, removing the need to drill extra holes. The holes themselves have been adapted to enable N° 8 Screws to be used and bigger terminals have been incorporated to readily accommodate 1.5mm² cable, making it easier to wire. 'O' for Optical and 'I' for Ionisation have been imprinted on the alarm test buttons and colour coding added to the back of every alarm to make it easier to check the right alarm type is being fitted.

Components within the alarms provide improved performance in response time and resistance to false alarms. The Ei64e Heat Alarm has

a new thermistor giving a faster alarm response when the trigger temperature is reached. The Ei66e Optical Alarm has a new cylindrical sensor chamber encapsulated by a bonded protective mesh to keep out potential contaminants such as dust and insects whilst still allowing the free flow of smoke.

With Ei's award winning RadioLINK wireless alarm interconnection, a firm favourite of both installers and landlords, the 160e Series of alarms now comes with a plug in RadioLINK+ module negating the need for a separate RadioLINK base. The Ei100MRF RadioLINK+ module simply slots into the alarm and is automatically activated ready to be House Coded in with the rest of the system. Such a design saves on installation time and reduces associated costs.

With the introduction of the RadioLINK+ module, the House Coding slot has now been moved onto the actual alarm making it easy to access and use and, most importantly, enabling all the alarms to be House Coded in situ. This not only makes for quicker installation, but also allows the installer to check RF signal strength at the exact location the alarms will be when protecting the occupants and dwelling.

RadioLINK+ has also made it easier to expand existing systems. With RadioLINK+ only one alarm in the existing system needs putting into Remote House Code mode, which signals to all other devices on the house coded system that a new alarm/accessory needs adding, as opposed to all the alarms.

RadioLINK+ has an enhanced self-monitoring function that recognises system tampering or alarm head removal. Each alarm in the system has the ability to identify the alarm

with the strongest Radio Frequency (RF) signal and automatically pair with it. At regular intervals, these paired alarms communicate with each other so that if one alarm is removed from its base the other will acknowledge the lack of response with an indicator light and log this in its memory, even if the missing alarm is replaced. It can also send an 'Alarm Removed' signal when connected to an Ei414 Fire/CO Alarm Interface and third party device e.g. Warden Call or other monitoring systems.

Designed to provide flexible solutions, delivering the highest quality protection for BS 5839-6 Grade D applications, the new 160e Series includes Optical, Heat and Ionisation Alarm models. These mains powered alarms come with 10 year rechargeable Lithium cells to provide back-up in the event of a mains failure. 160e alarms are compatible with existing Ei alarms and accessories, enabling for full system upgrades or simple system expansion using the new models.

The original 160 Series, launched in 1999, has been installed into millions of properties across Ireland and UK. Ei Electronics has invested considerably in the range over the years, with a number of key developments such as RadioLINK wireless alarm interconnection and remote control. The 160e is the next evolutionary step forward.

All alarms are designed and built in Ireland specifically to meet the European standards and regulations. With more mains powered domestic smoke alarms installed in Ireland and UK's social housing than any other manufacturer, Ei Electronics is tried, tested and trusted. Ei also offers technical support over the phone and an internal sales team to help with any enquiries.

Rointe launches E-efficiency: the new way to know your heating true consumption in REAL TIME

Thinking of how to control your heating even better?

Rointe has always the best solution for each customer and for this new season, we have upgraded our Rointe Connect app with a new useful feature called E-efficiency.

This is an opportunity to get first-hand knowledge of the real consumption of each unit installed in the property.

This new feature shows several useful statistics such as temperature data, summary of use, costs, energy consumption, data traffic and much more.

It even says how much money and energy you are actually spending with your D Series with DELTA Ultimate technology heating system!

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Rointe launches E-efficiency:
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Siemens wish "Bon Voyage" to Luke Evans as he heads off to Rio for the Paralympic Games



Gary O'Callaghan, CEO Siemens Limited, wishes "Bon Voyage" to Luke Evans. Luke works as Commercial Projects Controller in the Building Technologies Division of Siemens Limited and is Captain of the Football 7-a-side Team competing for Ireland in the Paralympic Games in Rio de Janeiro.

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www.hager.ie

hager

Electricians look to improve current labelling systems

Independent research conducted on behalf of print and technology specialists Brother reveals that many electricians and contractors have come unstuck due to issues with labelling.

The study, conducted by market research specialists Rainmakers CSI, revealed the top six problems with unsatisfactory labelling for organisations as:

- 1.Errors in the use of equipment on site
- 2.Breach of internal company policies
- 3.Breach of health & safety standards
- 4.Errors in testing, accreditation or documentation of equipment.
- 5.Non-compliance with requirements of their insurers resulting in invalid insurance cover
- 6.Confusion during evacuation drills or emergencies

The research found that 78% of electricians affix labels at work but despite various technology being available, 45% still handwrite them.

Use of labels has significantly increased over the past three years with nearly 50% of electricians and contractors expecting to do more labelling in the next three years than they do at present.

In addition, technology was found to be important for electricians as 93% use a smartphone at work with 62% using work related apps and 28% rely on new technology to help meet latest industry regulations.

Self-printed labels offer a more professional finish, better quality and more durability as well as the opportunity to personalise with their company logo, name or contact information which 30% of contractors said they use all of the time.

Gerry Quigley at Brother Ireland said: "Signage and labelling is crucial to the smooth running of a business and helps organisations with health and safety by avoiding breaches, errors and non-compliant pitfalls.

"The results have found that technology is essential for the majority of electricians who can benefit from Brother's free Cable Label Tool app, which enables electricians to print directly from their smartphone and tablet - perfect for working on site.

"Due to the increase of labelling expected and the fact that over two fifths of labels are still handwritten, our technology is designed to streamline the labelling process for electricians and contractors to make it quicker and easier, hassle-free, clear and concise."

Brother's PT-E550WSP device produces compliant labels for electricians and contractors in line with wiring regulations. Each label has a clear identification to help with electrical installation and maintenance.

The device links to Brother's free Mobile Cable Label Tool app which creates robust labels for telecom, data and electrical installations. The cloud based hub provides up-to-date design templates and electrical symbols, making it easy for the user to produce compliant labels.

The PT-E550WSP is currently on SPECIAL OFFER including four tapes and available from Electrical Wholesalers Nationwide
For more information visit www.brother.ie

*The Rainmakers CSI research was conducted between August 2015 and March 2016 in the UK, France, Germany and Italy with market opinion leaders and experienced users. In total, 1,024 professionals were interviewed about their business, their printers and labelling, their thoughts on propositions and brands and their purchasing behaviours.

Brother Ireland DAC
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Airways Industrial Estate
Santry, Dublin 17
Tel; 01 2411900
Email: sales@brother.ie



NOW YOU WON'T GET TANGLED UP IN REGULATIONS.

INCLUDES 4 TAPES THAT HELP WIRING REGULATION COMPLIANCE

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Label with less hassle, less cost and more peace of mind with the PT-E550WSP bundle.

With four tapes included, you can enjoy all the big Brother benefits at a fraction of the price: Easy-to-use built-in labelling functions; the ability to design and print durable labels via a mobile app; tapes to help you comply with wiring regulations, not to mention a complimentary carry case. It's all here, and available at a price that's anything but regulation.

Available from electrical wholesalers nationwide

***Offer available whilst stocks last**

www.brother.ie



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- > Silent operation
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JM Distribution & Varilight

- Celebrating 25 years in Business Together



Dr Tony Doyle, John & Suzanne Moran, Tommy & Pat Keeley and the staff from Mainscourt

Traditionally in Ireland, most of the Electrical Wholesalers began as independent, family run businesses. The founders of these businesses, worked very hard through good times and not so good times, resulting in the successful wholesalers we have in Ireland today.

The lessons in the trade and business were taught hands on, with passion and determination from the first generation, to the next.

This too, is true for the two businessmen celebrating 25 years in business working together, this year... John Moran of JM Distribution and Dr. Tony Doyle of Doyle & Tratt Products, Varilight.

John and Tony whilst sharing and enjoying good times and stories together, on Tony's recent trip to Dublin, discovered that they had more in common than they originally thought. Like so many business people before them, their opportunities arose from adversity. They both were made redundant by their respective employers and struggled to make sense of what or how their futures would unfold.

Dr Tony Doyle, who is third generation Irish and who's family hail from Taghmon in Co. Wexford, started the business more than 40 years ago when his wife Carole suggested that his original drill speed controller would be better employed to control the

brightness of domestic lights and the Varilight dimmer switch was born. Since then, through Tony's endless pursuit of improving and developing electrical components, Varilight has achieved the UK's most prestigious recognition of business achievement for Enterprise and Innovation, firstly in 2006 and again last year for their superior control of dimming challenging loads such as dimmable LED's.

John, who at the age of 50, having had a very successful sales and sporting career, was made redundant at a time in life when most people are starting to wind down a bit. Faced with this challenge and little hope of getting another job, he took his redundancy package, along with all the strength and courage he had, to embark out on his own. He forged his own new business and career in the form of JM Distribution.

John attributes his success to the agency he has with Varilight but that would be nothing without the support, friendship and loyalty of his valued customers over the years. As his catch phrase has always been 'old friends are best' and indeed they certainly have proved to be just that!

Varilight is now the brand leader in LED dimming, with its two awarding winning ranges VPro & VCom dimmers. Between them they can dim from 3 watts up to 600 watts of LED's. Due to their unique

patented technology, their success in dimming all dimmable LEDs is down to their versatility. The technology in the VPro & VCom allows multiple programming functions. VCom dimmers are suitable for LEDs requiring Leading-edge control, while VPro dimmers offer both Leading & Trailing-edge control. Both dimmers have a choice of three dimming modes and an adjustable minimum brightness level to get the best from the different dimmable LED driver technologies in the market. The result is perfect compatibility between the Varilight dimmers and all varieties of dimmable LED lamps.

Both businesses work very closely together. JM Distribution gathers direct information and feedback from customers ensuring any changes and developments that they would like to see can be adapted and incorporated into future versions of the range. As all Varilight products are designed, developed and manufactured in the UK and not in Asia like many others, it allows this quick adaptation into the ever changing and expanding LED market here.

While both Tony and John continue to work in the businesses today, they have both been joined by their next generations, John and Paul Doyle, Tony's sons and Suzanne Moran, John's daughter. It is their next generation's aspiration, to bring both businesses forward, hopefully into the next 25 years, under the guiding light and wisdom of their fathers, for a bright future together.



Dr Tony Doyle & John Moran with the Queen's Award for Innovation

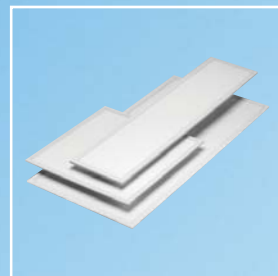


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Power supply offers safe, secure and robust option for 24 VDC applications

A new power supply from WAGO provides additional functionality to suit a wider range of applications, including consumer oriented applications such as vending machines, slot machines, coffee machines, as well as heating controls and ventilation systems.



EPSITRON® ECO offers a robust power solution for small 24 VDC applications where control cabinet space is at a premium. It also conforms to EN 60335, bringing industrial power supply capabilities into consumer appliances such as vending machines and cash machines. The power supply features a robust metal housing to withstand rugged treatment and can be mounted on a DIN-rail or base mounted horizontally, vertically, or overhead. Output currents of 2.5A, 5A or 10A can be supplied.

EPSITRON® ECO provides a wide input voltage range of 90 to 264 VAC. This flexibility allows a mass-produced machine to be operated on different power networks in Europe, America or Asia with no need for conversions or modifications. In addition, its high input voltage range means increased tolerance to voltage fluctuations, leading to high reliability.

The ECO power supply's constant current characteristics, delivers 1.1 times the nominal rated current with lowered output voltage. This makes it suitable for starting capacitive loads, for example. For low-resistance short circuits, the output voltage is reduced to zero and automatically reinstated once the short-circuit is eliminated.

Voltage availability is indicated via a green LED, while a red LED indicates an overvoltage. This simplifies start-up and provides maintenance personnel with a clear indication of system or machine status.

Optional ATEX/ IEC Ex approved versions for Zone 2 and Class I Div. 2 are also available, making it suitable for basic applications in extreme environments such as underground or offshore.

Connections on the ECO power supply are kept secure with WAGO's CAGE CLAMP® Spring Pressure Connection Technology, which provides fast, vibration-proof and free from maintenance termination of solid, fine-stranded or ferruled conductors. This not only ensures that wiring is much faster, but that connections are indefinitely held in place even in extreme environments, for example in marine, offshore, or heavy industrial applications.

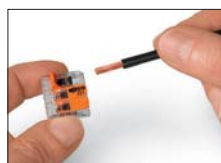
Drives and Controls is the appointed WAGO distributor for Ireland.
Contact them by telephone on +353 1 4604474, by email at info@drivesandcontrols.ie, or visit the website www.drivesandcontrols.ie.

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2. Open clamp



3. Insert wire



4. Close clamp, wire is secured

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- Quicker installation, more reliable than screw terminals
- Connect fine-stranded wires from 0.14 to 4 mm², and solid/stranded wires from 0.2 to 4 mm²
- Available in 2- 3- and 5- way versions
- Two test slots
- Reusable, simply re-open clamp to remove wire

Contact DRIVES AND CONTROLS – appointed WAGO distributor Ireland:

DRIVES AND CONTROLS

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E-Mail info@drivesandcontrols.ie
Internet www.drivesandcontrols.ie
Search for "WAGO 221"



DRIVES AND CONTROLS
INDUSTRIAL CONTROL AND AUTOMATION PRODUCTS

Winter and security puts the focus on floodlights

Des Duignan, Sales Director, explains how to create external illumination with attractive, ultra slim, high performance LED floodlights.

As dark winter evenings approach, home security becomes an increasing concern. This is a time when outdoor lighting is considered. One requirement for many is to have a floodlit garden for security purposes, but one that remains attractive; the Summer BBQ season might be over this year but a garden continues to offer visual pleasure and recreational space all year round. Enlite has launched QuaZar™ - a range of attractive, modern, slim LED floodlights, offering excellent performance and an appealing design.

Well positioned floodlights come into their own in three ways. They accentuate key external features, provide a view after-dark that can be appreciated all year round and offer a measure of safety and security.

Lighting the exterior of a property falls into the same three categories as internal schemes. The 'ambient'

lighting function is to provide light to the space to an accepted level. 'Accent' lighting highlights certain features and/or attributes. 'Task' lighting illuminates specific areas so users can see what they, or others, are doing.

Enlite's range of IP65 driverless QuaZar floodlights incorporate the latest in LED technology and can deliver on all three. They are available in 10W, 20W, 30W and 50W versions including black and white housing finishes. The 10W measures only 90 (H) x 130 (W) x 33mm (D) and is the ideal substitute for a 60W halogen alternative. Energy savings scale up throughout the range so you can swap a traditional 200W fitting for 50W.

The QuaZar range can be used as both ambient and accent lighting, the latter creating scenes that can be viewed from different aspects, such as a border set against the backdrop of the wider landscape or a specimen

tree, which can be subtly floodlit after dark. Remember, it's illumination of selected features that provide the 'Wow' factor, not the fitting itself! Luckily, these small LED floodlights can easily be screened from direct view so not to ruin a lovely view.

Safety and security fittings are classified under task lighting. Used for this purpose, QuaZar helps deter any unwanted visitors.

Enlite Lighting Essentials are easily available nationwide through our network of Enlite stockists or can be viewed at enlitelighting.com.

To discuss a project or order your copy of Enlite Lighting Essentials Edition 4 catalogue, contact Des Duignan on: Mobile: 083 4206847 Office: 01 6968028 Fax: 01 6968190 or Email: des.duignan@auroralighting.com or andrea.duignan@auroralighting.com

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Euro Sales/Fegime Family Day Out



Saturday 18th June saw the first Fegime/Euro Sales Family Day Out take place. The venue was Haughton House at Dublin Zoo.

The group began assembling as soon as the doors opened, with face painting and jumbo games provided for the children. It was

a great opportunity for colleagues' families to meet up and get to know each other better. The youngsters met new playmates and also had a chance to put faces to the names of people their parents see every day.

The weather stayed fine for touring the zoo and seeing the brand new

Orangutan enclosure which had just opened. The group reassembled for a buffet lunch provided by the Zoo and a wonderful cake celebrating the occasion. After lunch, a big screen was provided so soccer fans wouldn't miss out on Ireland's match against Belgium. While the match result proved a disappointment, the same couldn't be said for the Euro Sales day. It was a thoroughly enjoyable event for all concerned and hopefully just the first of many more to come.



Galway 8th July

Winner	Noel McStay	41pts
Runner Up	Rob Fitzpatrick	37pts
3rd Place	Michael Flaherty	34pts

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Fota Island 26th August

Overall Winner	Frank O'Brien	41pts
Runner Up	Fran Coffey	39pts
3rd	Rob Fitzpatrick	36pts

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Golf News



Rosslare 15th July

Captain's Prize	Brian O'Connor	45pts
Class 1 Winner	Tommy Munroe Jnr	38pts
Class 2 Winner	Greg Harkness	30pts
Class 3 Winner	Tommy Munroe Snr	33-1=32pts B9

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Druids Glen 19th August

President's Winner	Brian O'Connor	36pts
Class 1 Winner	Pat McCann	30pts
Class 2 Winner	Dick Troy	31pts
Class 3 Winner	Noel McLoughlin	31pts

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Full golf results available at www.electric.ie/golf

PROJECT ENGINEER

The job specification for Project Engineer within Atex Sales Office is as detailed below but a high degree of flexibility is required to support the demands of the Atex Sales and Project and Service Departments.

Desirable Qualifications – Electrical or Electronic Engineering Degree.

The Key Product Portfolios are listed as follows:

- Mains Lighting
- Emergency Lighting,
- Lighting Controls,
- Central Battery Systems
- Hazardous Area Lighting and Equipment
- Clean Room Lighting

Job Role and Responsibilities

- Complete Design Requirements for Central Battery Systems, Emergency Lighting Systems, Lighting Systems, Lighting Controls
- Technical Understanding of the IS3217:2013, EN62304, EN50171, etc.
- Understanding of Hazardous Areas and Classifications
- Knowledge of Electrical Systems and Calculations
- Capable of Creating a Quote for Systems & Equipment
- Understanding of Profit & Margins

Required Software Skills

- Autocad Drawing Skills
- Dialux/Relux Simulation Skills
- ESP Software from CEAG for central battery system for producing as Built Panel Drawings
- IT skills, MS Office (Word, Excel, Outlook, etc)

Specific Manufacturers Training will also be provided, i.e. iLight, CEAG,

Replies to seamusstoran@hotmail.com. Please specify the job title



in Business

www.atex.ie

LIGHTING CONTROLS ENGINEER

The job specification for Lighting Controls Engineer to work on multiple medium to high profile projects. Works would predominantly entail onsite Lighting Controls Commissioning. However, you would also be required to assist the team with lighting controls designs usually carried out in the Atex Sales/Projects Office. You would be expected to maintain a high degree of flexibility to support the requirements of the Atex Sales, Project and Service Departments.

The Key Product Manufacturer/Protocols supported by Atex are as follows:

- iLight
- Greengate
- Eaton Emergency Lighting EmPro
- Mackwell Emergency Lighting EmPro
- KNX
- Dali Emergency Lighting testing & Monitoring

Job Role and Responsibilities

- On site Lighting Controls Commissioning on Large Scale Projects
- Complete Design Requirements for Lighting Control Systems
- Capable of Working with Major Contractors on Large Scale Sites
- Documentation of Requirements and Creating of Reports
- Understanding and Capable of Carrying out Integration with other Systems
- Capable of Creating a Quote for Systems & Equipment
- Understanding of Profit & Margins

Required Software Skills

- iLIGHT iCANsoft Software
- ETS KNX Software
- Autocad Drawing Skills
- Dialux/Relux Simulation Skills
- IT skills, MS Office (Word, Excel, Outlook, etc)

Manufacturing training will be provided.

Replies to seamusstoran@hotmail.com. Please specify the job title



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For more than 70 years, Garo a European Multinational has been designing, developing and manufacturing energy distribution products including a full range of EV charging and PV Solar systems.

Technical Sales and Support Person

Garo, 34 years in Ireland and with strong sales growth, is expanding its Technical Sales Team and requires an indoor Technical Sales and Support Person with a strong design component.

The ideal candidate will have an electrical background and or qualifications, with ideally experience in electrical distribution systems up to Form 2 panels and / or Solar PV Systems, generating project pricing using AutoCAD type packages to customer specifications.

Good organisational and communication skills with the ability to work to tight deadlines and demonstrate strong attention to detail.

Working knowledge of MS Office, CRM systems or Adobe packages would be an advantage.

Full training will be provided with the successful candidate integrating into a dynamic existing team of similarly skilled individuals.

This is a permanent position with full benefits package.

Please reply to jobs@garo.ie enclosing a comprehensive CV.

Garo Electric Irl. Limited, Unit 19/307, Northwest Business Park, Ballycoolin, Dublin 15.

We wish to recruit the following:

EMERGENCY LIGHTING COMMISSIONER/INSPECTOR

NEL Services Ltd. manufacture, supply and install, commission and maintain Emergency Lighting Systems nationwide, in addition to providing an in-house conversion service.

Qualifications & Training:

- QQI / FETAC Level 6 Certificate in Emergency Lighting for Commissioner / Inspector(or approved equivalent)
- Computer Literacy (MS Word, Excel) an advantage
- Excellent record keeping and diary management essential
- Full clean driving licence essential

Experience Profile:

- Minimum 2 years in a similar role
- Excellent communication skills essential



Outline Job Description:

- Carry out statutory quarterly testing of Emergency Lighting Installations nationwide and associated reporting and documentation
- Liaison, consultation, and management of service level for individual Clients
- Carry out authorised repairs
- Commissioning of Emergency Lighting Installations

This is an excellent opportunity for a highly motivated, proactive individual capable of working on their own initiative in an exciting, hands on and challenging role.

Please reply to Eamonn Leahy at eamonn@nel.ie enclosing a comprehensive CV complete with references.



ECA to hold Technical Workshop

In February 2016, the Electrical Contractors Association established the ECA Electrical Safety Working Group to raise awareness and prevent safety incidents in the industry, and ensure that proper procedures and protocols in relation to best practice and safe systems of work are in place.

This working group has met four times since its establishment and is currently developing a proposed guidance note for Electrical Contractors which will provide a practical and easy to understand document for use in the field.

The proposed strands for the Guidance note include:

- Establishing a competency requirement
- Electrical testing
- Risk assessment method statements (RAMS)
- Switchgear and panels

ECA would like to gather the views of interested parties and will hold a technical workshop on **Tuesday 13th September 2016 from 8:00am** in the Red Cow Moran Hotel in the Merrion/O'Connell suite.

Any interested parties will have the opportunity to review the proposed guidance and give their input from their particular perspective. You can book your place on the Workshop by contacting Orla Brady, Phone 01-4066048 Email obrady@cif.ie

RECI Roadshows

A new round of Safe Electric Roadshows will take place over the coming months. **There is no cost and no need to book.** Details at www.reci.ie

Talbot Hotel Wexford - 29th Sept
Claregalway Hotel, Co Galway - 5th Oct
Clarion Hotel, Sligo - 12th Oct
The Anner, Thurles - 19th Oct
Four Seasons, Coolshannagh - 2nd Nov
City North Hotel Gormanstown - 9th Nov
Mullingar Park Hotel - 16th Nov

AECI Estimating Course

This course will begin on 12th September. Contact the AECI to reserve your place. Tel: 01-6102715



Powerpoint Engineering are delighted to be hosting the inaugural Substation Safety Conference & Expo, which will focus on Legislation, Best Practice, Operator Safety and Equipment

Safety. Taking place over 2 days on the 8th and 9th of November at the Citywest Hotel in Dublin, this Conference and Expo will provide an ideal opportunity for professionals involved in the industry to gather together and share their experiences and knowledge. There will be guest speakers and exhibitors from leading companies in utilities and industry. It is hoped that this forum will help raise awareness on a range of electrical safety issues and provide an ideal showcase for a range of products and services relevant to our industry.

For further information, visit www.substation-safety.com/expo

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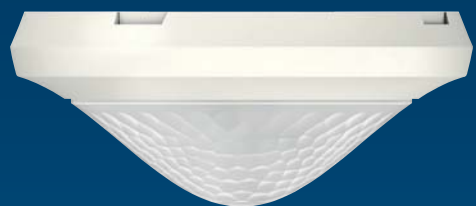


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To reserve your place or arrange your sponsorship contact:

Nicholas Behan 087-2577998;

Martin Byrne 086-2431452

Cel O'Reilly 01-7640100

Aidan Hayes 087-2333008

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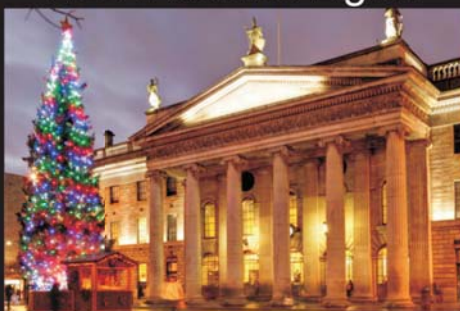
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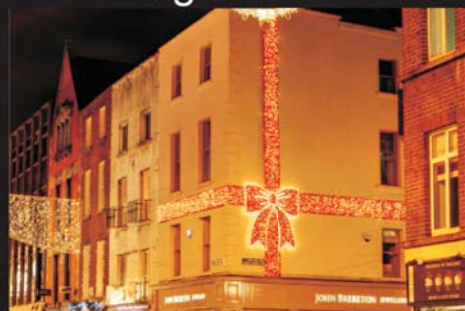
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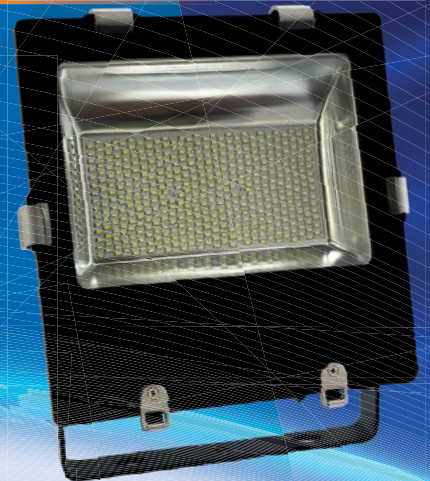
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