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BS News March/April

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Building Services news



■ Ventilation and air tightness



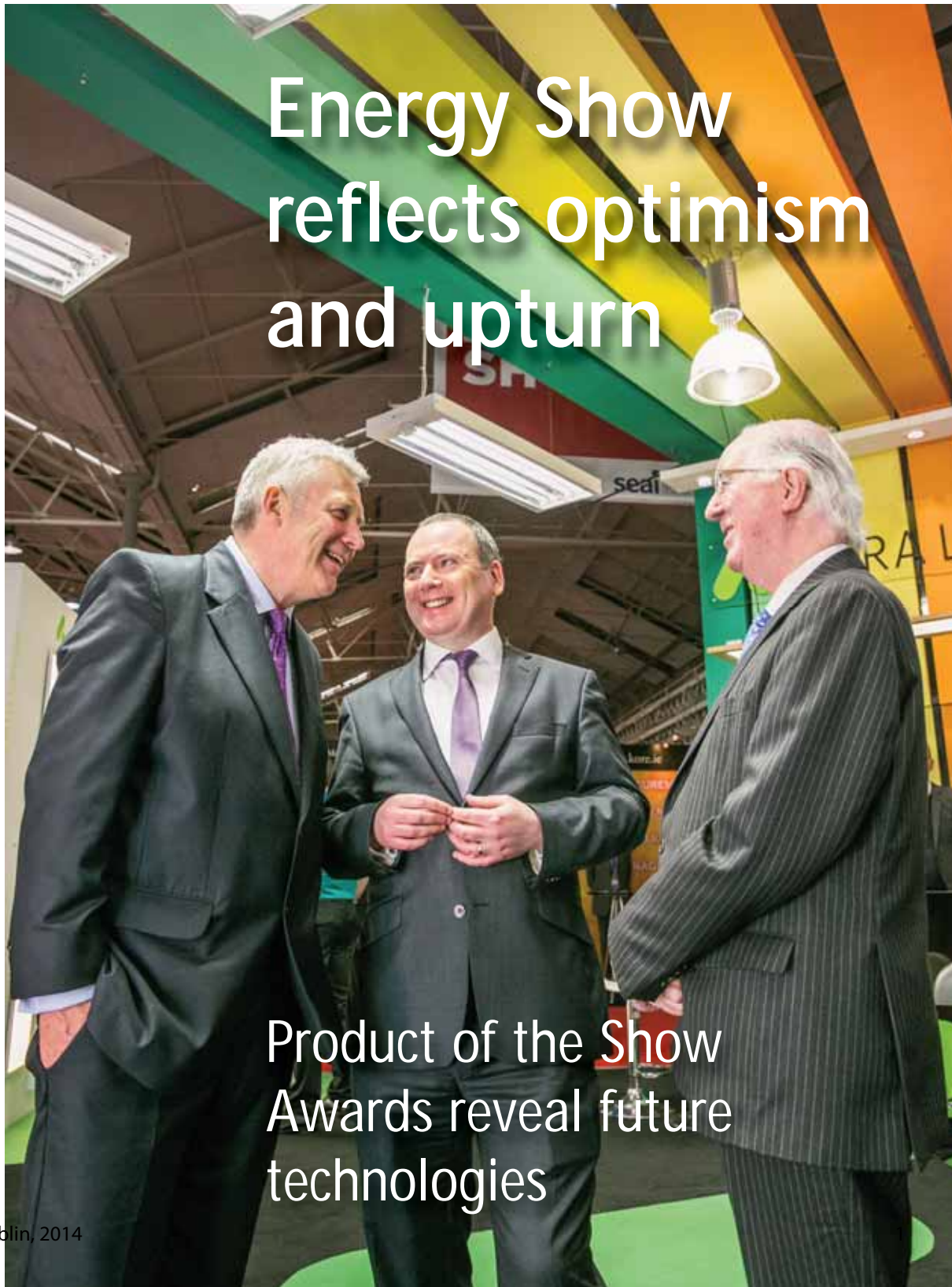
■ Designing new heating systems



■ SDAR Awards presentations



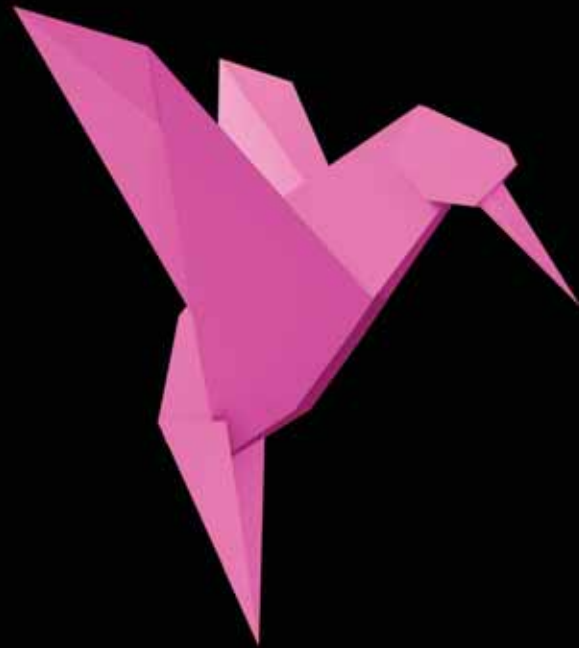
■ IPFMA lunch and awards



Energy Show reflects optimism and upturn

Product of the Show Awards reveal future technologies

Saving you time and money, naturally



Yutaki-S Combi



Domestic
Heating

An all-in-one space saving indoor unit, Yutaki-S Combi provides both heating and domestic hot water up to 60° C, along with comfort cooling. Priced around 18% cheaper than equivalent separate elements, all components are factory wired and pre-installed – saving around 8 hours on an average installation. The A-rated heat pump has a high COP of 5.02 (2HP) helping to reduce heating bills by up to 60% and cut CO₂ emissions by up to 75%*. And, in keeping with its 'green' credentials, Yutaki-S Combi uses environmentally-friendly R410A refrigerant, naturally.

Japanese engineering excellence,
naturally

*compared with traditional boiler-led systems



To find out more call Hitachi on +353 1216 4406

Email aircon.ireland@hitachi-eu.com or visit hitachiheating.com

<https://arrow.tudublin.ie/bsn/vol53/iss2/1>

HITACHI
Inspire the Next

Opinion

Tosú Maith Leath na hOibre!

This roughly, when translated into English, reads a good beginning is half the work. So far 2014 has seen a good start. That is not to suggest that all is now rosy in the building services sector, or the broader construction industry. Far from it.

However, the cautious optimism of late December 2013 and early January has proved justified with first quarter sales figures showing a significant improvement on this time last year.

Moreover, the number of projects being put out to tender augurs well going forward, with more and more clients looking at value and life-cycle benefits rather than cheapest quote when awarding contracts. Admittedly, this pattern is far from consistent across the board but it is heading in the right direction.

The fact that the trading pattern is erratic and unpredictable can also be disconcerting but, for the most part, the industry will have to live with that for some time to come.

Retrofit and refurbishment are still the primary driving market forces in both the domestic and commercial/industrial sectors, the good news being that there is a massive stock of buildings in need of upgrading nationwide.

We've had a good start to 2014 ... now let's make the most of it.

Building Services news

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42 FIRST BIM GRADUATES

The inaugural presentation of BIM diplomas and certificates to 65 mature students at DIT Bolton St took place recently.

44 IPFMA ANNUAL LUNCH

Attendance numbers were well up on previous years at the recent annual members lunch of the Irish Property & Facility Management Association (IPFMA) in Dublin.



NEWS AND PRODUCTS

ErP-compliant fans from ThermoAir

ThermoAir has introduced a new range of ErP-compliant direct drive EC fans called Imofa that are designed to replace the existing DD models and continue the "UH line" of equipment that customers are familiar with.



The EC fans are fully compliant with the ErP regulations and offer greater efficiencies, lower noise levels and options on fan speed control with running efficiencies up to 80%.

For example, to deliver 1500m³/hr of air through a ThermoAir unit heater a standard fan with a 450-watt motor is replaced with an EC fan with a 75-watt motor. Couple this with the lower temperature water capabilities of the UH Line of unit heaters and the result is a cost-effective solution to space heating.

Contact: ThermoAir.
T: 059 913 1646;
email: info@thermoair.ie

Further expansion at InTouch Control Systems

Having successfully won new clients and projects in recent months, InTouch Control Systems has added to its team with the appointment of Josh Featherstone and Stephen Carmody.

Josh has joined the Estimations Department in the Cork office, having previously worked for an energy solutions company. He brings a wealth of knowledge of control systems and their applications. A qualified electrician, he is currently studying for a Bachelor of Engineering in Electrical Technology in LIT.

Stephen Carmody has been appointed as a Commissioning Engineer with the InTouch Dublin-based team. Also a qualified electrician, Stephen has trained as a BMS engineer with a leading Trend Building Management system integrator. He has worked on the commissioning of major projects such as Google data centres in Dublin, Bombardier in Belfast and Pfizer in Newbridge.

InTouch Control Systems is an independent specialist in the design, installation and commissioning of complete building energy management systems, and is an appointed integrator for the following systems – Trend, Johnson Controls, Distech/Tridium.

Contact: InTouch Control Systems. Tel: 021- 423 2258 (Cork); Tel: 01 – 440 8610 (Dublin).
email: projects@intouchcontrols.ie



Josh Featherstone, InTouch Control Systems Cork office (left) and Stephen Carmody, InTouch Control Systems Dublin office.

Re-live football memories ... 2014 style!

Shamrock Rovers will host Premier League title chasers Liverpool at the Aviva Stadium on Wednesday 14 May. Trevor Croly's side will take on the Reds in a 5.30pm kick-off at the Lansdowne Road venue, a far cry from Rovers then state-of-the-art Milltown home ground where they last met in 1982.

Hitachi's Martin O'Brien – a fanatical fan of both clubs – is eagerly looking forward to the clash. Coincidentally, Hitachi sponsored Liverpool FC at the time of the last meeting, as the image from the cover of the match programme on the night clearly demonstrates.

The honours finished even on that occasion but let's hope for a Rovers win this time around.

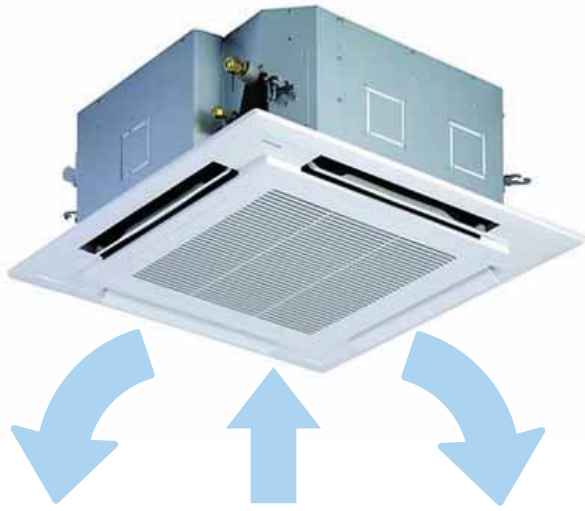




GT PHELAN
Est. 1970

TOSHIBA

PERFECT PARTNERS



Eliminate Discomfort with Toshiba's Low-Limit Temperature Sensor

Toshiba has designed a unique low-limit temperature sensor for use with its VRF and RAV split units to eliminate the discomfort of those working directly below a unit. It will limit the discharge air from the unit to either 12°C, 14°C, or 16°C and is primarily intended for use with ducted indoor units. However, it can also be used on other models if required.

Service as it should be



HEAT PUMP
Association of Ireland



For further information contact:

GT Phelan

Tel: 01 286 4377

Email: info@gtphelan.ie

www.gtphelan.ie

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TOSHIBA AIRCONDITIONING

Advancing the **eco**-evolution

NEWS AND PRODUCTS

Metac Training excellence rewarded

Metac Training picked up two new accolades at the recent Energy Show 2014 – Best Service Provider and also the Overall Product of the Show Award. These awards are a testament to the hard work and dedication of the staff and trainers at Metac, and the ongoing commitment to the training and assessment area.

In addition, Onlinetradesmen.ie recently appointed Metac Training its sole designated training provider so that its members have a qualification or are registered with relevant regulatory bodies/associations. On top of this they employ a rating system to help the consumer get a quality tradesman as recommended by other homeowners.

Metac is also now providing training and assessment for domestic gas operatives to comply with the CER requirements for a 5-year reassessment cycle. For those who are GI-certified there is a special package for the summer months, to be followed by a breakdown of daily training to meet the operative's needs. This course is restricted to RGII Registered Gas Installers.

Looking forward, Metac is optimistic about commercial gas safety training coming into the fold with more operatives up-skilling their training in the industry.

Contact: Dominic Dunne, Metac. Tel: 057 – 875 6540; www.metac.ie

Hevac celebrates 40 years

While trading longevity has become less commonplace within the building services sector, especially in the light of the most recent market downturn, there are always exceptions that buck the trend. Hevac Ltd is a case in point. Incorporated in 1974, this year marks its 40th anniversary and a programme of celebratory events is planned for the remainder of 2014 to mark the occasion.

Hevac emerged from the heating and plumbing division of J.S. Lister Ltd, a group of engineering companies founded in the 1950s that included Lister Tubes, Steel Company of Ireland, Non-ferrous Metals and many others.

Having had addresses at Lomand Avenue and Ballymount Industrial Estate, Hevac moved its headquarters to Dorset Street in the 1980s, and the company continued to prosper under the private ownership and stewardship of John English. It

also established “satellite” outlets in Santry (Dublin) and in Cork.

A period of substantial growth and expansion followed with Hevac moving yet again in 2001, this time to a purpose-designed 40,000 sq ft office and warehouse complex on the Naas Road, Dublin 12. A new Cork facility was developed at the same time with both locations using state-of-the-art mechanical handling systems, and crane and hoist systems, for physical management of steel tube and heavy steam/steel boilers.

Today Hevac continues to thrive with John English's son and daughter, Seamus and Carol English, at the helm. New

agencies and additional product lines are constantly added to its vast portfolio, especially in the commercial and industrial sector.

“This is obviously a very significant milestone for our company”, says Seamus English, “and I would like to acknowledge the contribution of all staff (past and present) to that success. Equally important is the successful and supportive trading relationships we enjoy with our broad customer base, and of course with our suppliers, including *Building Services News*. We look forward to a bright and prosperous shared future with all.”

Search for oldest Potterton Profile

Baxi Potterton Myson has devised a competition to search for the oldest Potterton Profile in the field. Open to RGII members only, the company is offering installers the chance to win a replacement boiler FREE of charge. All they have to do is to replace an existing Profile boiler with a boiler from the new Profile range.

The competition runs from 1 April to 31 October and is subject to terms and conditions as follows:

- The competition is limited to RGII members only;
- Installations must meet current IS 813 /Irish Building Regulations Part L;
- Only new Potterton Profile installations qualify for inclusion;
- Old models for submission include Netaheat Profile, Profile and Profile Prima;

In order to qualify the installer must submit a photograph of the old appliance/serial number, and the address where the boiler has been replaced.

Submissions for inclusion can be made by email or hard copy and should be marked *Profile Boiler Replacement Competition* and sent to Ms Fidelma Cowzer, Baxi Potterton Myson at email: fidelma.cowzer@potterton-myson.ie



Kingspan appoints Director of Water

Kingspan has appointed Charles Burns (pictured) as its first ever Director of Water. He is now responsible for managing the company's extensive portfolio of water-saving solutions including rainwater harvesting and environmental waste water systems.

Charles has worked at Kingspan since 1999 where he has specialised in water saving technologies. He has a particular interest in how new technologies can future-proof Ireland's over-reliance on mains water.

NEWS AND PRODUCTS

Killarney Plastics becomes Tricel

Killarney Manufacturing Group (KMG), headed by its founding company Killarney Plastics, has undergone a rebrand that sees companies within its existing structure renamed Tricel.

The Group, which has companies spread across Ireland, the UK and mainland Europe under a number of different names, is moving into a new era under the Tricel banner,



Jimmy Deenihan, TD, Minister for Arts, Heritage and the Gaeltacht pictured with Michael Stack, Managing Director, Tricel.

which is already an established name in a number of countries.

With over 250 employees, KMG exports a wide range of products to over 50 countries worldwide. The original Tricel

brand was established in 2002 as the company expanded into new markets and 2014 is the perfect time to implement the rebrand so that all aspects of the company can come together under a single identity.

BTU Programme for 2014

The full BTU programme for the coming season is now confirmed, details being as follows:

BTU Golf Society Outings 2014

Date	Venue	Sponsor
11-4-14	St Anne's GC	Mueller Europe (Conor Lennon)
16-5-14	Malahide GC	TIDL (Paudraigh Gillen)
19-6-14	Powerscourt GC	BSS Ireland (Brendan Coghlan)
11-7-14	Delgany GC	Versatile Bathrooms (Bill Treacy)
12-9-14	Druids Glen GC	Lynch Interact (Sean Smith)
10-10-14	Grange GC	Victaulic Europe (Jim O'Shea)
28-11-14	Luttrellstown (Xmas)	Geberit (Liam McCarthy)

Other Sponsors

Matchplay – Eurofluid Handling Systems; Player of the Year – Grundfos Ireland; Dinner Wine – Crystal Air.

The second outing in Malahide is being played in a four-ball format. This is to encourage members to invite past members, and other people from the industry, to participate and enjoy a good day's golf.

In addition, the BTU representative team will travel to Prestwick in Scotland on 5 June to play in the BTU nationals.

Robus Vulcan LED retrofit plate

The new Robus Vulcan Retrofit LED 1 x 40W and 2 x 40W plates from LED Group are ideal for corrosion-proof installations where replacement of a complete light fitting is difficult, or has a wiring structure that doesn't lend easily to retrofitting the entire fittings.



Compatible and tested with many manufacturers' IP65 fittings, the innovative magnet-fix-system allows the existing tray to be quickly and simply replaced to provide a long-life energy and maintenance saving

solution for single and twin 58W fluorescent T8 gear.

With energy savings of around 35%, the Vulcan LED retrofit plate provides service life of 50,000 hours without the high costs associated with traditional tube changes and labour.

Contact: Denise Cronin, LED Group. Tel: 01 – 709 9000; email: dcronin@ledgrouprobus.com

Fantech healthy environment for primary care

Fantech has reported a significant growth in supplying equipment to Ireland's healthcare premises in response to the Irish government's commitment to developing primary health care facilities.

Fantech offers a wide range of different ventilation products and has become an expert in meeting the different needs of primary health care facilities. It caters for smaller rooms requiring a series of smaller domestic fans or much larger rooms where a larger heat recovery system could be used, ensuring good indoor air quality and providing greater efficiency in heating and cooling.

Recent projects Fantech has been associated with are the 24,000sq ft Loughtree primary care centre, operated by the Health Services Executive (HSE) in the town of Cavan; the innovative Croi House health centre in Galway; and Kingscourt purpose-built primary care centre.

Fantech is also active in other areas of the health care market and recent projects include St Loman's Psychiatric Hospital, Rockfield Clinic, Dundrum and Waterford Regional Hospital.

New range of Toshiba high-efficiency compact outdoor condensing units from GT Phelan

GT Phelan has introduced the new range of Toshiba compact outdoor condensing units that were designed to be easy to carry and install.

The Series 4 units are as much as 8kg lighter than previous models, representing a reduction of some 11%, a major advantage for installers transporting and installing the units.

This enables units to be installed above one another, in a double-deck

configuration, saving space on buildings and outdoor plant areas.

Much of the weight reduction has been made possible by the development of a new twin rotary DC compressor, which is lighter but more powerful than the one it replaces.



The new Toshiba Series 4 high-efficiency compact outdoor condensing units now available from GT Phelan.

The new condensers offer night set-back operation, limiting sound during sensitive periods by up to 10dB(A), and a saver function that can suppress the upper limit power consumption between 50% and 100% in 1% increments, thereby boosting efficiency.

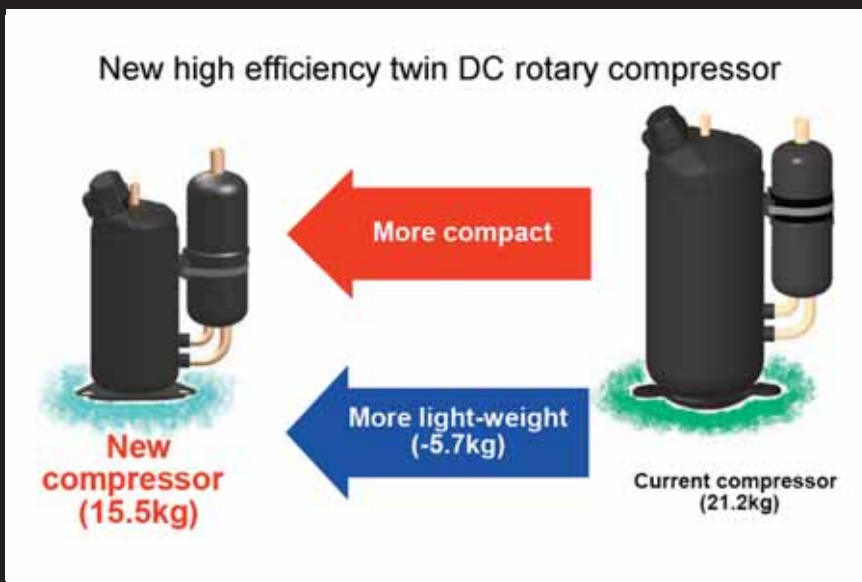
Overall efficiency has been improved by up to 10%, depending on the model, with the SEER value for the 2hp unit raised from 5.89 to 6.14.

Operational temperature range has been increased from 43°C to 46°C, and units are suitable for use with 50Hz or 60Hz power supply, opening up opportunities for further applications.

Contact: Derek Phelan, GT Phelan.
Tel: 01 – 286 43771

email: Derek@gtphelan.ie;
www.gtphelan.ie

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Much of the weight reduction has been made possible by the development of a new twin rotary DC compressor, which is lighter but more powerful than the one it replaces.

Panasonic, one of the market-leading brands in the heating and cooling sector, has announced details of a new international award scheme to celebrate industry excellence. Called the Panasonic PRO Awards, this new initiative aims to celebrate excellence in the design, specification, installation and commissioning of Panasonic heating and cooling systems.

Panasonic announces new international award scheme



Vincent Mahony, General Manager, Panasonic Ireland

Panasonic is inviting entries from architects, consultants, distributors, engineers and installers whose whose Panasonic projects demonstrate flair and innovation, and showcase sustainable design, efficiency, cost-effectiveness and aesthetics.

We are very much looking forward to seeing the entries from across Europe – including Ireland – and to showcasing the success of these exciting projects

Projects from across Europe are eligible and must have been completed between 1 January 2012 and 31 July 2014. Entries will be judged by a prestigious panel of international judges with expertise in architecture, building services and the heating/cooling industry.

Vincent Mahony, General Manager, Panasonic Ireland, told *Building Services News* as we went to press: "We are delighted to be launching the very first Panasonic PRO Awards and are very much looking forward to seeing the entries from across Europe – including Ireland – and to showcasing the success of these exciting

projects. We aim to build these Awards to become an established platform on which to celebrate excellence within our industry."

The awards are open to projects featuring air conditioning, heating and/or cooling systems that have been completed primarily using Panasonic heating and cooling systems, in a residential, public authority or commercial environment.

Award entries are invited in the following categories:

- Best Commercial Air Conditioning;
- Best Hotel Project;
- Best Retail Project;
- Best Restaurant Project;
- Best Residential Project (single dwelling);
- Best Residential Project (multi-dwelling);
- Best Residential Project (social housing).

Deadline for entries is 31 July 2014 and winners will be announced in Autumn 2014.

To register for inclusion in the Awards and for full details of the entry criteria log on to: www.aircon.panasonic.eu/GB_en/pro-awards/ ■





2014 NEW MODEL

ARTCOOL Slim INVERTER V

In addition to modern lines and classic style LG ARTCOOL Inverter V offers complete air conditioning solutions in an unrivalled package.

Artcool Slim's simplistic design allows it fit the ambience of any environment where it is installed.

Supreme Energy Efficiency

Active Energy Control

LG lets you take an active part in conserving energy and saving money with active changes to the Energy Control function, according to the situation.

Perfect Health Care

Plasmaster Ionizer^{PLUS}

Over three million ions sterilize not only the air going through the air conditioner, but all surrounding harmful substances.

MICRO Dust Filter Powered by 3M Tech

Micro Dust Filter Powered by 3M Tech is a high air flow filter with low noise that collects harmful microscopic substances, including pollen and fine dust.

Stylish Design

The Most Slimest Design



Moving Panel
The cover structure is more durable and stylish.



Magic Display
A bright, elegant display with a smart white-fit trim lights your way to important information.



Sleek Design
Slim, sleek and refined, every detail has been considered and fine-tuned to create a timeless classic that's stylish and sturdy.



Life's Good



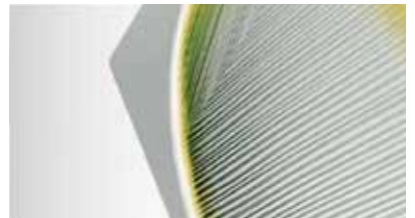
ARTCOOL Stylist

The design of LG air conditioners are stylish in a way that is incomparable to others. Style your space.



LED Lighting

No matter what the space, the lighting can be adjusted to suit the mood or ambience of the room.



3D Airflow

The 3-way swing function of the ArtCool Stylist blows the air quickly and efficiently in multi-direction function and delivers cool air to every corner of the room.



Innovative Remote Controller

Simple and intuitive control which is suitable for small screen exposures. Fundamental function as "hot key" for quick usage.



Style your space

The ArtCool Stylist is a unique square-shaped air conditioner designed with a super-slim profile to enable easy wall mounting. To ensure it matches the surrounding decor it is also equipped with a variable color LED ring by which the light can be adjusted to suit the mood or ambience of a room.

High on energy efficiency, it distributes air in three directions to evenly cool any space.

Unit 2, Broomhill Business Park, Broomhill Road, Tallaght, Dublin 24
T: 01-462 7311 F: 01-462 7315
email: sales@dwgasco.ie www.dwgasco.ie





“ Energy efficiency and carbon emissions are, quite rightly, the key objectives when considering and installing a heating system. However, it is also essential to factor in comfort levels and air quality.

HEATING

Designing and/or installing a heating system? Don't forget the buffer tank!

The first thing system designers and installers need to understand about deciding on a heating source for a project – be it domestic or commercial – is the size of each room, along with the amount of hot water required to meet the daily routines of the occupants. Having calculated that, it is then essential to factor in the insulation values and the air tightness of the building, writes *Dominic Dunne, Managing Director, Metac Training Ireland.*



There are many sources of heat, both fossil-fuelled and renewable. Obviously renewable is better but may not be suitable for all situations. High efficient or condensing products are best in such cases but, if you have to go this route, it is important to supplement the system with time and temperature heating controls.

The different systems available are gas, oil, solar hot water, solar photovoltaic, biomass and heat pumps (be it air to air, air to water or geothermal). All of the aforementioned systems are well suited to a buffer water storage tank. Hopefully, in the future people designing homes in particular, will consider a plant room where all the services can be contained, and easily accessed, for both service and upgrades where necessary, and as time and technology evolves.

Gas and oil are frowned upon by some at present but these energy sources can deliver instant heat, efficiently and effectively, when the boiler products chosen are controlled correctly and are high efficient units that are regularly serviced. These units can be complemented by the use of solar, biomass and indeed heat pumps but, once again, it is worth emphasising that such combinations deliver best results when a buffer tank is incorporated into the system.

Biomass products vary from boilers and stoves using wood pellets, or maybe gasification using logs which have a large variety of outputs and are very efficient. Solid fuel stoves which burn a variety of fuels can also come with a boiler, or without for use as a room heater. Solid fuels tend to have a slower heat-up time than gas or oil and need to be connected via a buffer tank in order to maintain constant temperature and heating on demand.

Heat pumps – while invariably more expensive to install initially – can also be a good solution with the choice of air to air, air to water or geothermal depending on the particular requirements of each application. Once again utilising a buffer system can enhance system performance and future upgrades.

Air source is perhaps best suited to retrofit while geothermal really needs to be considered before the construction process commences at all. Both can deliver excellent results when low-temperature underfloor heating is included.

Solar panels are quite common in Ireland and, in most cases, are used to heat hot water. Here again incorporating a buffer tank maximises efficiency as it means excess capacity hot water needs can be added to the general heating requirement.

Solar Photovoltaic (PV) is very common also but, unfortunately, not so much in domestic use. It is widely used to power road signage, calculators etc but, if used in a home scenario, it can deliver electricity not just to power lighting and appliances, but – where there is excess – to generate hot water in a cylinder element or, dare I say it again, a buffer tank.

Given the broad and diverse nature of different building types, and the massive variance in how those buildings are used, all of the aforementioned heat-generating sources and related heating systems have a role to play. However, they all need to be designed and installed by qualified competent people, and to be professionally serviced at a frequency appropriate to the fuel-burn and their usage.

Energy efficiency and carbon emissions are, quite rightly, the key objectives when considering and installing a heating system. But, it is also essential to factor in comfort levels and air quality.

... and by the way, don't forget the buffer tank! ■



Minister Pat Rabbitte, TD cuts the tape to officially open the new Baxi Potterton Myson office, warehousing and training facilities in Dublin 12.

Pat Rabbitte, TD, Minister for Communications, Energy & Natural resources, recently performed the official opening of Baxi Potterton Myson's new office, warehousing and training facilities which are located in Calmount Park, Dublin 12. A cross-section of industry representatives attended, along with key personnel and executives from the various building services-related associations and organisations.

Baxi Potterton Myson opens new premises and training centre

Paul Clancy, Managing Director of Baxi Potterton Myson, was master of ceremonies for the occasion and he and his Dublin-based colleagues – along with David Pinder, CEO and Paul Moss Financial Director, Baxi UK/Irl – acted as hosts for the large gathering.

In his keynote address Paul welcomed everyone and thanked them for being present at this very important occasion for Baxi Potterton Myson. For those not familiar with the company, he explained that Baxi Potterton Myson is a wholly-owned subsidiary of Baxi Heating UK while, in turn, Baxi Heating UK is part of the group company BDR Thermea. This has its headquarters in Apeldoorn in the Netherlands. BDR Thermea has a staff of 6400 employees, has a top market position in key European countries, and operates in more than 70 countries worldwide.

He explained that Baxi Potterton Myson has been operating in Ireland since 1972 and said it is very proud of its links with Myson Radiators and Controls, who have supported Irish manufacturing jobs from their factory in Newcastle West, in Limerick. In that respect he noted, and welcomed, the attendance of Patrick Rowley, Myson Ireland MD and his colleagues, Martin Wright and John Kelly from sales and marketing respectively.

Baxi Potterton Myson also has a strong corporate social responsibility policy, one of the three pillars of this policy being community. Hence the attendance of Helen McVeigh of The Irish Hospice Foundation, to whom a cheque was presented during the proceedings.

Returning to the official opening, Paul said: "I think it's fair to say that the global economy has been a very challenging one over the past six to seven years. Ireland was particularly challenged due to the virtual collapse of the construction sector. Our business in Ireland is intrinsically linked with repair, maintenance and new build in the domestic and commercial sectors and, like many businesses in Ireland, we had

Left: Minister Pat Rabbitte with Vincent Broderick, Sales Director, Baxi Potterton Myson.





Minister Pat Rabbitte with Damian Delaney, Technical Support Manager and Paul Clancy, Managing Director, Baxi Potterton Myson.



David Pinder, Chief Executive Officer, Baxi UK/Irl with Minister Pat Rabbitte and Paul Clancy, Managing Director, Baxi Potterton Myson.



Paul Clancy, Managing Director, Baxi Potterton Myson with Helen McVeigh, The Irish Hospice Foundation and David Pinder, CEO Baxi UK/Irl.

to adjust to the market situation that was presented to us.

"We at Baxi Potterton Myson, with the support of our colleagues in UK and Netherlands, have learned that with the right people, the right products, and hard work you can succeed in even the most challenging of markets. Our portfolio of market-leading heating and hot water solutions covers all domestic and commercial applications, from a standard three-bed semi-d to the most complex installations you can find in commercial or industrial buildings.

"Apart from these quality products, we also recognise the importance of standards compliance and installation excellence. To that end we work very closely with all relevant representative bodies in the sector including SEAI, RGII, FÁS and APCHI, who are all represented here this morning. Indeed, SEAI's support by way of home energy improvement grants, and in particular for boilers and controls, helps stimulate a depressed market and creates a demand for our solutions.

"This is just one example of how strong government has helped support not just our business but the industry at large. In fact the very presence of the Minister here this morning is another very important support signal.

"So why invest at this time? We at Baxi Potterton Myson have identified – via market research with installers – that practical training given by quality trainers is what heating installers want most. Training is a two-way process. Feedback we receive from installers during our training sessions contributes to the business cases that support new innovations in heating and hot water solutions. This ensures that products in development in the R&D BDR Thermea pipeline are the most efficient and cost-effective solutions for the Irish marketplace. Hence the significant investment in our purpose-built practical training centre.

"This new training centre signals our commitment to the Irish market, thus ensuring that heating and hot water installers have the very best and most up-to-date training available on new technology and developments in our industry.

"Looking to the future, we believe the experiences of recent years, while very challenging, nonetheless ensure that Baxi Potterton Myson is better prepared than ever to capitalise on what we believe will be a promising 2014 and beyond. We look forward to sharing that future growth and prosperity with all our trading partners." ■

Xylem has enhanced its popular range of high efficiency circulator pumps with the addition of the Lowara ecocirc XL and ecocirc XLplus, ideal for commercial applications.

Xylem presents energy efficient ecocirc XL and ecocirc XL plus

The new circulator has been designed specifically for applications like heating systems, cooling systems, domestic hot water systems, solar systems and geothermal systems.

The smaller 100 Watt models for light commercial applications have the unique Anti-Block Technology already existing in the ecocirc series. This technology reduces pump downtime and maintenance costs as it completely separates the main flow of the pumped liquid from the permanent magnetic parts, meaning the pump is never susceptible to blockages from magnetite or sludge. The larger models for commercial applications utilise a canned motor design with filters.

The range is made up of DN 25 to DN 100 models in single head, twin heads and bronze pump housing configurations.

The Lowara ecocirc XL and XLplus come with a variety of control options as standard, including proportional pressure, constant pressure or constant curve.

In addition, the “automatic night setback” mode ensures that the circulator reduces its performance level to a minimum when not needed, thus enabling a further reduction in energy consumption and costly utility bills. All settings can be controlled by an easy-to-use display with intuitive interface design.

Terry Murray of Xylem Water Solutions Ireland commented: “Following the success of the ecocirc, we wanted to develop a circulator for commercial applications which could meet heating and cooling requirements across a broad range of applications but still maintain the value and energy efficiency that we have come to expect with the ecocirc series.

“Our ecocirc XL circulator offers clear energy efficient features and is very easy to install, set and use. With this state-of-the art high efficiency device, we have reduced the complexity for the user to a new minimum.”

The circulator also features a very easy-to-use digital interface to keep the user informed of key pump performance information such as operating or fault mode, flow control and set point. Further in-depth information such as historical pump data, the live situation as well as many additional settings can also be easily accessed either through a laptop via a RS485 port, or through an optional wifi module and standard wifi-enabled device, such as laptop, tablet, or smartphone.

If using a smart phone, a specific app is not required as all data and settings can be accessed through the standard browser installed on the wifi-enabled device.

For use in installations with building management services, the ecocirc XLplus embeds either Modbus RTU or BACnet communication capabilities.

For more information about the Lowara ecocirc XL visit lowara.com/ecocirc-xl.

Contact: Contact: Terry Murray, Xylem Water Solutions Ireland.
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“ Our ecocirc XL circulator offers clear energy efficient features and is very easy to install, set and use. With this state-of-the art high efficiency device, we have reduced the complexity for the user to a new minimum.





HOW CAN EFFICIENCY WORK EVEN HARDER



Lowara ecocirc and ecocirc PREMIUM the revolutionary highly efficient circulators for Domestic heating with the simple and shaftless spherical motor design and patent anti block technology.

- No common shaft, shaft seals and conventional bearings have been eliminated.
- No back bearing.
- No air vent bleed valve.
- Floating spherical impeller.
- Self realigning ultra-hard ceramic ball bearing.
- Only one moving part.
- Anti-block devise.
- Quick and easy to install.
- 2 metre's of pre-wired cable or plug assembly.
- Directly interchangeable with other manufacturers units.
- Permanent magnet electronically commutated type motor.
- No special tools required.
- Microprocessor controlled.

For more information on how Xylem can help you, please visit www.lowara.ie

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xylem
Let's Solve Water

Unitherm Heating Systems is renowned for providing high quality fully integrated heating system solutions for domestic and commercial applications for over 10 years. Representing many top European manufacturers, Unitherm has always been at the forefront, introducing innovative products and systems to the market.

Initially established to design and supply underfloor heating systems, Unitherm quickly recognised the need to integrate low-temperature systems such as underfloor heating, aluminium radiators, fan coils etc with renewable energy sources. After consultation with the end-user, Unitherm will provide system sizing and design, delivering a sustainable energy-efficient heating system that produces low CO2 emissions. For all applications Unitherm will provide a full set of project-specific drawings including underfloor heating layout, mechanical schematics, first and second fix wiring diagrams.

“Good system design, integration and control is absolutely crucial to the efficient and cost-effective running of a heating system”, says Unitherm’s Declan Kissane. “Hence our biggest asset is a combination of quality products, trained installers and commissioning by our own in-house engineers. Indeed, a substantial amount of our business comes by way of recommendation from satisfied customers”.

Some of the products included in a Unitherm system are Daikin Altherma air-to-water heat pumps, Sira Emerald aluminium radiators, and Profi-air® heat recovery systems from Frankische in Germany.

Integrated

Underfloor heating

Underfloor heating is long established in the Irish marketplace and Unitherm has an enviable reputation for providing innovative system solutions and top-quality products. Coupled with on-site technical support for the installer and detailed schematics, Unitherm ensures every system designed and supplied by the company is installed to the highest quality. Commissioning is offered on all commercial and domestic systems by its own in-house engineers.



Sira aluminium radiators

Unitherm represents leading Italian manufacturer Sira Group and can supply its full range of aluminium radiators. Designed to run at low temperature (45°C), these low water content units deliver faster heat up times than traditional steel panel radiators.

Other benefits and features include excellent heat conductivity; 30% higher output than steel radiators; better resistance to corrosion; suitable for low and high-temperature systems; 15-year manufacturers’ warranty.



Unitherm
HEATING SYSTEMS LTD

<https://arrow.tudublin.ie/bsn/vol53/iss2/1>

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Peamount Business Centre, Newcastle, Co Dublin
Tel: 01-610 9153 Fax: 01-621 2939
Email: info@uni-therm.net

heating solutions

Daikin Altherma air-to-water heat pump

Daikin has a worldwide reputation for quality and innovative technology with over 50 years experience in the design and manufacture of heat pump solutions. It is the leading supplier of heating, cooling, ventilation and refrigeration solutions for commercial, residential and industrial applications, and also offers a comprehensive choice of domestic heating and renewable energy products.

The Daikin Altherma is a total heating and domestic hot water system based on air-to-water heat pump technology that represents a flexible and cost-effective alternative to a fossil fuel boiler. The inherent energy-efficiency characteristics make it an ideal solution for reduced energy consumption and low CO₂ emissions. Its high and low temperature heating systems also delivers optimal comfort.

Daikin Altherma energy-efficient heat pumps, with advanced compressor technology, transform unused and inexhaustible heat from the surrounding air into usable heat. There is a comprehensive range of heat pumps available including Monobloc 6kW to 16kW units, Split units 4kW to 16kW, and High-temperature 11kW to 16kW units. There is also a range of integrated system solutions including solar technology.

Unitherm, in conjunction with Daikin, provides training for installers on the mechanical installation and wiring of heat pump systems. Project-specific drawings for every installation are also provided, including underfloor heating layout drawings, first and second fix wiring, and complete mechanical schematics. Unitherm's commissioning engineer will commission every heat pump system once installation is complete to ensure every system is properly installed.



Profi-air heat recovery systems

Nowadays homes and other buildings are being built or renovated to be more airtight. This leads to the desired effect of improving energy efficiency but also to a lack of natural air exchange between indoors and outdoors. Controlled home ventilation is now commonly incorporated into new buildings. This ensures a constant supply of fresh air and removes odors, moisture and CO₂.

Profi-air, from German manufacturer Frankische, is an ideal, reliable, flexible and hygienic air distribution system offered by Unitherm. Profi-air pipes are manufactured with an anti-static and anti-bacterial coating agent making them absolutely sterile, hygienic and safe. The heat recovery systems devised by Unitherm are individually designed by its in-house engineers to meet the exact requirements of each application.



Cost-effective and energy efficient products www.uni-therm.ie

Feels better,
works better



mark[®]

CLIMATE TECHNOLOGY



The entire Mark Eire BV climate control portfolio is characterised by its robustness and complete reliability, with all product ranges being engineered and manufactured in-house to ensure the upmost quality available.

The scope of applications covered is extensive and includes:

- › Air heating
- › Radiant heating
- › Ventilation equipment
- › Air handling units
- › Low pressure hot water
- › Heat pumps
- › Pipe bending machines

Additionally, these product groups are split into gas, oil-fired and water-fed heating equipment with new and innovative products incorporating advanced technology being added constantly.

Mark Evo Therm Heat Pump

The Mark Evo Therm heat pump is one of the latest additions to the Mark Eire portfolio. Designed and developed at Mark's Coolea factory in West Cork, this new heat pump is a monobloc, all-in-one compact unit with all refrigeration gas and electrics factory-installed. This makes it as easy, if not easier, to install than a standard boiler ... simply connect the flow and return!

Features and Benefits

- A buffer tank installed, sufficient for most applications. It won't block like a heat exchanger;
- PLC controlled: this gives frost protection and many more functions giving full authority electronic control;
- Inverter-driven DC compression, power and control boards to match. Lights won't dim when the unit is working. Also, if only minimum heat is required, that is all the heat pump will deliver;
- Large evaporator means minimum defrosting required, thus giving increased COP;
- Excellent COPs, second to none in the market place;
- Defrost on demand only;
- Built-in circulating pump and flow switch if required;
- Approved by TUV in Germany;
- Internal and external controls with Ethernet if required, including call option for the boiler to start in a hybrid situation;
- Very low heating bills ... payback of 3.5 to 4 years;
- Twin rotary compressor, the most up-to-date technology for such an appliance.



Mark Heat Recovery MHR-L

The Mark MHR-L heat recovery unit is another recent addition to the Mark Eire portfolio.

Features and Benefits

- Exceptionally high thermal efficiency (up to 90%);
- The outer panelling comprises galvanized plate coated in RAL 7000 (Alaska grey) with panel thickness of 45mm;
- Low weight;
- Internal panelling comprises corrosion-resistant magnesium zinc;
- Low noise level;
- Fans with EC technology;
- Plug-and-Play version;
- Supplied assembled with removable doors;
- Seamless connection of the panels to the inside with rubber seal (hygienic);
- High external pressure possible;
- Various construction forms possible as standard (top connection, narrow design) as well as specials;
- Easy-to-operate advanced control as standard (optional CO2 control).



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Grundfos Delivers on EuP Projections

One year on since the introduction of the 2013 EuP legislation – and with even stricter legislation pending – Grundfos asks: what impact on the building services market? The main objective was to encourage the use of the most energy efficient equipment as a basis to achieving EU emissions targets. Did it work?



The positive impact of the new Directive has resulted in considerable energy savings. As pumps account for approximately 10% of global electrical power consumption, and switching to high efficiency motors has the potential to save 5% of global power consumption, the positive environmental and economic impact is enormous.

“The focus on improving pump energy efficiency is now legislatively here to stay”, say Liam McDermott, Sales Manager, Grundfos Ireland. “That said, we have been committed to investing in sustainable products for many years and actually developed the first integrated frequency invertors back in 1992.

“So, is it all good news? Has the legislation done its job? In terms of new build commercial projects then the answer is ‘yes’, where consulting engineers and contractors have embraced these technologies.

The focus on improving pump energy efficiency is now legislatively here to stay

“Another consideration, and opportunity, is the installed base, where pumps are rarely considered for change until they reach their ‘end of life’. With so many existing pumps over-sized and uncontrolled, there are really good arguments to examine the merits of upgrading these systems.”

In 2012 Grundfos Ireland set up a dedicated team of engineers to undertake pump audits and energy checks. These engineers assess the efficiency of existing pump systems and calculate the potential savings and return on investment of pump upgrades. The results to date have been the upgrade of many heating, chilled water and pressure boosting applications, resulting in substantial energy savings to clients. Mayo General Hospital in Castlebar is an excellent example of this (see panel).

Contact: Liam McDermott, Sales Manager, Grundfos Ireland.
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CASE STUDY: Mayo General Hospital, Castlebar

The 332-bed Mayo General Hospital in Castlebar provides Mayo with medical services such as general surgery, medicine and paediatrics. The hospital is committed to Ireland’s second National Energy Efficiency Action Plan (NEEAP) which aims to achieve a 33% reduction in public sector energy use by 2020. This is one reason why the HSE and hospital management has prioritised the reduction of energy use, and it is an area where Grundfos was able to help.

Working with Martin McGoff, Technical Director of the Mayo General Hospital and Brendan Redington, Regional Estates Manager of the HSE, Sales Engineer Liam Kavanagh of Grundfos Ireland performed an energy

check on the heating pumps. This indicated potential energy savings of 37,000 kWh/pa by upgrading the existing plant to energy-efficient Magna3 pumps, and reduced CO2 emissions from the hospital by more than 39 tonnes annually.

Utilising the unique functionality of the Grundfos Magna3 (AUTOADAPT and FLOWADAPT), it was possible to convert the predicted 50% energy savings to almost 80% energy savings during commissioning. Combining the integrated energy meters with BACnet, it is now possible for the hospital to monitor the pumps operation, including the heat energy consumed per circuit, for enhanced energy optimisation.



DEMAND MORE

DEMAND GRUNDFOS MAGNA3



Demand More Efficiency
Demand More Convenience
Complementing the MAGNA3, Grundfos GO enables easy pump configuration, monitoring and diagnostics using iPhone, iPod Touch or Android mobile devices.



Demand More Cost Saving Functionality

- **AUTOADAPT:** The pump is continually monitoring system conditions as they change over time and making adjustments to the pressure control settings in order to best match the system loads, as they continually change within the building.
- **FLOWADAPT:** In addition to AUTOADAPT function, the maximum flow that the pump can produce is also limited. This reduces the need for specific heating zone commissioning and mechanical flow limitation in the form of a zone commissioning valve.

- **Heat Meter:** By installing a separate temperature sensor into the return pipe the heat energy being consumed in the zone can be monitored. The data can then be retrieved for keeping energy consumption records, fault finding on system controls and valves, and energy optimisation.

Scan the QR code for a video



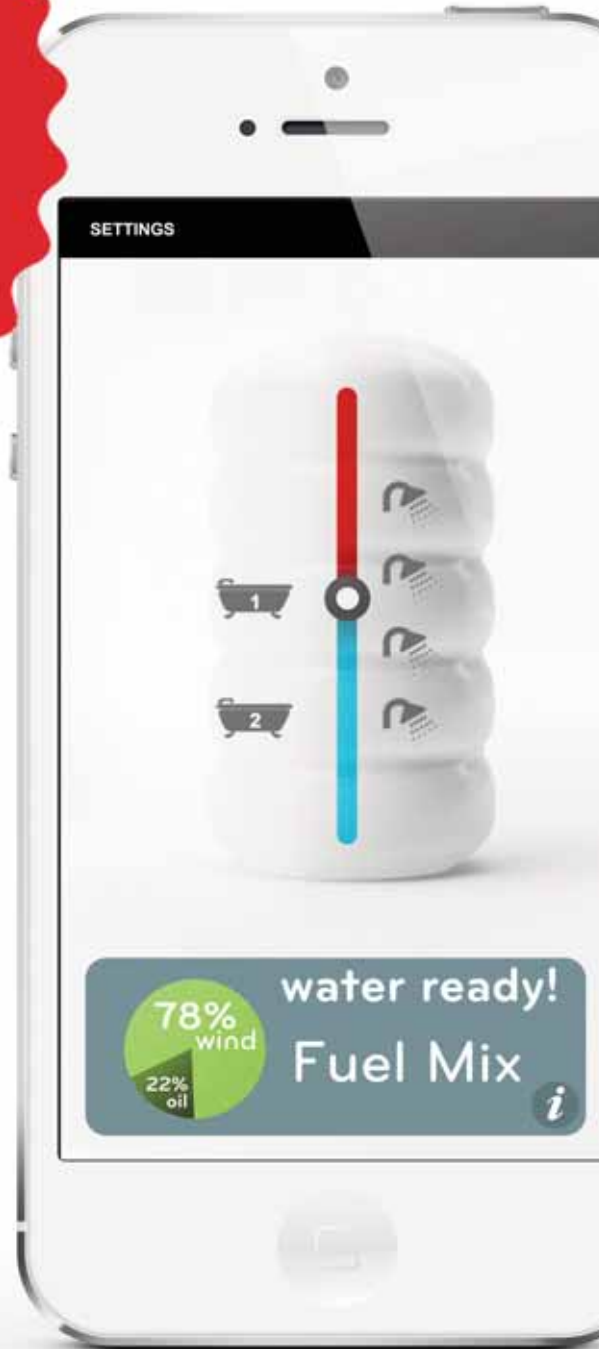
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Remote Heating Control...





smart grid wind to hot water technology





The Original 'one-stop-shop' heating solutions provider



Hevac Ltd has a history dating back over 40 years and is Ireland's leading independent supplier of heating solutions with a portfolio of blue-chip brands from the world's most renowned manufacturers (see panel at bottom of page). The scope and diversity of the portfolio is enormous and caters for everything from residential schemes through to large industrial steam systems, district heating, and all manner of engineered commercial and renewable energy projects.

Complementing the strength and quality of the product portfolio is a large team of highly-qualified and experienced sales and technical

engineers, who are in turn supported by in-house specialists including building services engineers, AutoCAD technicians and system design engineers.

As part of the Hevac Group the company can also call on the expertise of sister companies Origen Energy Ltd, Tube Company of Ireland Ltd and Polytherm Heating Systems Ltd.

Another of Hevac's core strengths is the comprehensive range of copper tube held at its multi-branch outlets in Dublin and Cork. Apart from being the largest stockist of Irish size ISEN1057 and metric BSEN1057 copper tube in the country, Hevac also supplies a full range of Table Y BSEN1057 and degreased medical BSEN13348 copper tube.

When it comes to heating Hevac is the original "one-stop-shop", capable of designing and supplying fully-engineered heating systems and renewable energy solutions for every conceivable application. So, no matter what your requirement, talk to Hevac at the earliest opportunity. The outcome will be an individually-engineered heating solution capable of delivering maximum comfort and efficiencies over a prolonged and cost-effective life-cycle.



Survey, design and installation of flue systems

Jeremias flues are suitable for oil, gas and solid fuel boilers, both high-efficient or condensing. There is also a full range of flues for CHP units fired on oil, gas or biomass.

In addition, Hevac offers a comprehensive survey, design and installation service for all commercial and industrial flue systems that includes technical support, chimney sizing and complete on-site installation. This is carried out by its own qualified specialist chimney and ventilation installation team.

MARKET-LEADING BRANDS REPRESENTED

- De Dietrich Boilers
- ICI Caldaie
- Riello Burners

- Flowair Heaters
- IBP Conex
- Sime Boilers

- Hamworthy Heating
- Jeremias Flues & Chimneys
- State Water Heaters

Packaged Plant Rooms

To meet the growing demand for bespoke packaged plant rooms Hevac now provides a professional and complete service to meet the needs of both specifiers and contractors. This includes the design and preparation of CAD drawings, complete build, delivery within budget ... and all to a programmed time schedule.

Packages comprise bespoke units incorporating boilers, burners, water heaters, calorifiers, gas and water boosters, shunt and primary pumps, control panels, etc.

Hevac's reputation is built on the scope and diversity of the product portfolio and complemented by a work force representing vast experience, practical know how and technical excellence. The introduction of packaged plant rooms enhances that overall service.

Lourdes Hospital, Drogheda is a typical application where a Hevac packaged plant room delivered massive energy savings and operational benefits. This project was supplied, installed and commissioned within the agreed schedule and budget.

Current Package Plant Room projects on Hevac's books are for TESCO Store's and for the HSE at St Oliver Plunketts Hospital, Dundalk.



De Dietrich – innovating since 1778!

De Dietrich has been pioneering heating technology solutions for nearly 250 years and today's range includes both commercial and domestic boilers, such as the Eco and Innovens Pro MCA ranges.

The Eco range comprises commercial gas condensing boilers with a silicium aluminium heat exchanger and modulating burner which maximises the energy use no matter what the application.



The Innovens Pro MCA is a high-technology wall-hung gas condensing boiler with an output range of 8.9kW to 114kW. A complete range of cascade systems is available with full cascade control for connection of 2 to 10 boilers.

Then there is the De Dietrich iSystem controller that operates as a mini stand-alone BMS system. This control unit can incorporate boiler cascade control, duty rotation, full weather compensation frost protection, etc.

ICI Caldaie Steam Boilers

ICI Caldaie designs and manufactures domestic and commercial hot water boilers with the emphasis on energy saving and environmental protection.

It produces commercial steel boilers with outputs from 22kW to 3,500kW, while customised boiler plant rooms can also be provided.

There is also the LTHW boiler range, which is available in modular format, and a range of electric, gas and oil dual-fuel steam boilers.



Services provided

- Massive and diverse product portfolio
- Expert customer care and technical support
- Comprehensive installer and customer training
- Design and full AutoCAD service
- In-house after-sales service and support
- Commercial flue supply and installation



Muirfield Drive, Naas Road, Dublin 12. Tel: 01 – 419 1919.

Unit 1, Furry Park Industrial Estate, Dublin 9. Tel 01 – 842 7037.

South Ring West Business park, Tramore Road, Cork. Tel: 021 – 432 1066.

email: info@hevac.ie www.hevac.ie



Quality-driven heating solutions ...



Heating Distributors Ltd, still a family-run business, was established in the early 1970s and today ranks as Ireland's premier "one-stop-shop" heating supplier.

It has a massive portfolio of radiators, stoves, boilers, fireplaces, fires, flue linings, heat pumps, heat recovery products and sustainable energy solutions. All are sourced from some of the world's market-leading brands and include The Radiator Company, Vasco and MHS.



Complementing this quality product line-up is the Heating Distributors' sales and technical support team. The level of knowledge, experience and expertise this represents is unrivalled in the sector, and is freely available to consultants, contractors and end-users, be it a commercial, industrial or domestic installation.



... from a single source of industry expertise



Services provided

- › Chimney camera surveys and reports
- › Flue lining
- › Advice on flue runs and chimney problems
- › Installing chimney systems
- › Installation of gas fires and stoves to RGI standards
- › Installation of solid fuel fires and stoves to HETAS standards
- › Advice on radiator sizing and selection
- › Installation of fireplaces to F1 standard
- › Building and plastering of false chimney breasts
- › Altering existing fireplace openings
- › Site surveys

Heating Distributors provides a truly one-stop-shop service that delivers total heating solutions and comprehensive client satisfaction in a professional, yet friendly, manner.

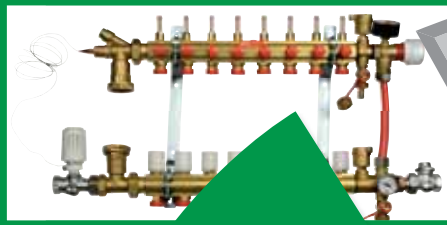
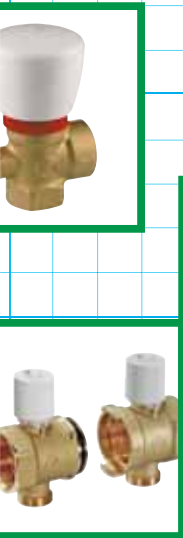


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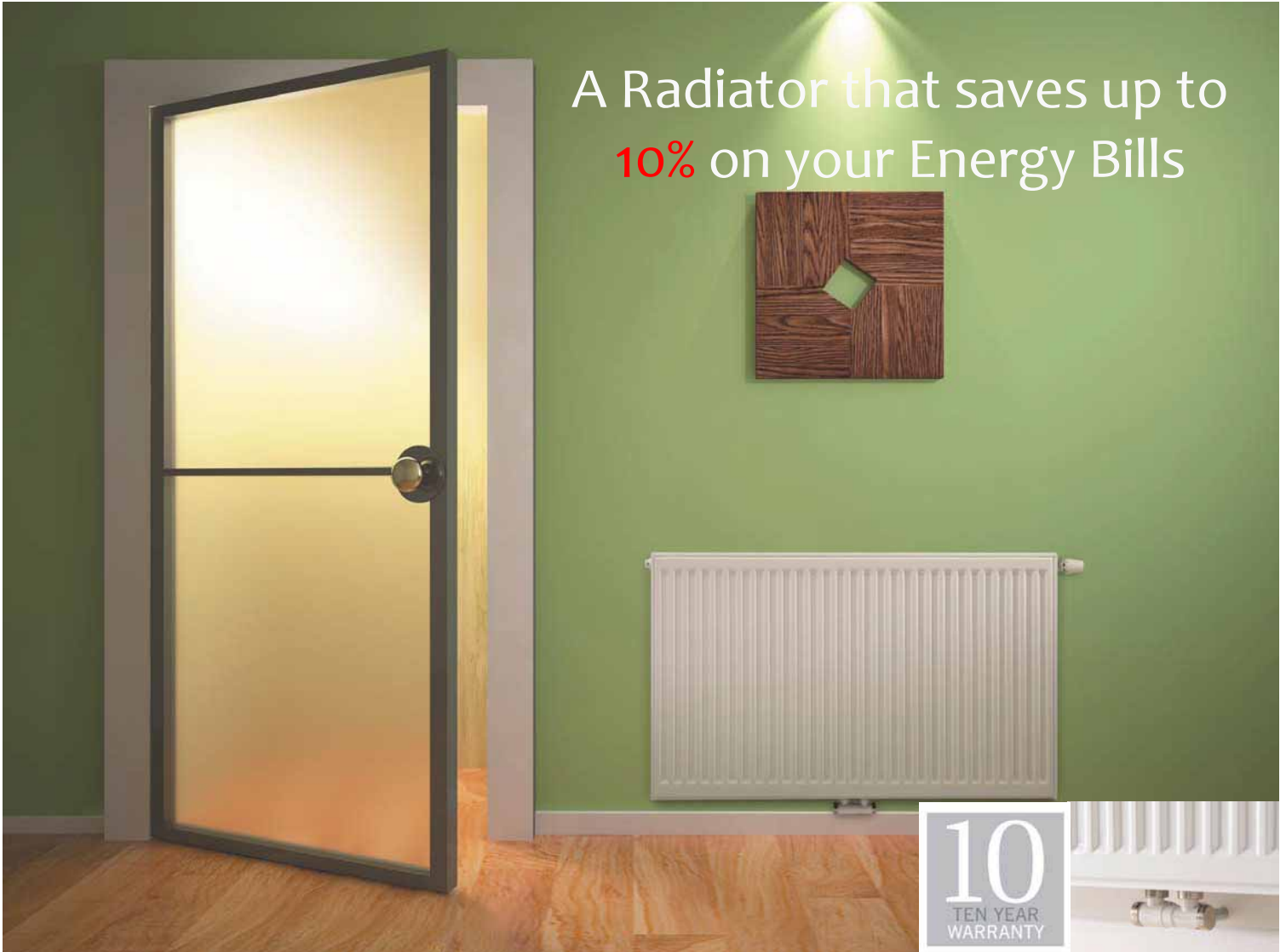
Brass components guaranteed for 10 years.

* Excluding: Electrical controls and pumps which are guaranteed for two years.

Davies have teamed up with **Giacomini UK** to offer a comprehensive **UFH manufacturing, design and installation service.**

Together we have an in-depth knowledge of both system and building requirements that ensures we deliver cost effective solutions that meet the latest comfort criteria, while helping to maximise energy saving and lower emissions.





A Radiator that saves up to **10%** on your Energy Bills

10
TEN YEAR WARRANTY



Reducing energy bills by up to 10.5%



Up to 50% more radiant heat



Up to 23% faster to heat up



Up to 53% hotter at the front



Significantly less heat loss from the back



More comfort at a lower setting



Pre-set valves save up to 6% energy



Eco-friendly



Compatible with renewable energy sources



Easy central fitting with left or right side valve position

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Product of the Show
Best Innovation



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Published by ARROW@TU Dublin, 2014. web: www.davies.ie

Hitachi Air Conditioning Europe launches new Yutaki air source heat pump

Hitachi Air Conditioning Europe SAS has extended the Yutaki-S split system product line-up with the introduction of the Yutaki-S Combi – the latest addition to the Yutaki family of air source heat pumps.

The new Yutaki-S Combi is an all-in-one compact indoor unit that provides heating and domestic hot water up to 60°C, and also comfort cooling ... making it perfect for European Summer weather conditions.

Available from 2HP~6HP (single and three-phase) with capacities from 2.3kW to 17.8kW – with either a 200L or 260L integrated stainless steel hot water tank – there's a size to suit every home, from compact bungalows to large detached properties.

Using energy from the outside air and transforming it into heat, every 1kW of electricity used to power the A-rated heat pump is capable of providing up to 5kW of energy in a well-insulated home. This is said to help reduce heating bills by up to 60% and to cut CO2 emissions by up to 75% compared to traditional boiler-led systems.

In keeping with its "green" credentials, the Yutaki-S Combi ASHP uses environmentally-friendly R410A refrigerant.

Yutaki-S Combi combines a 600mm wide, floor standing unit – that can easily be accommodated in a standard kitchen or utility room layout – with a separate outdoor unit. The clever, compact indoor unit design reduces installation space by around 70% compared to a stand-alone boiler and hot water tank set up, making it perfect for homeowners looking to save space inside their homes.

Yutaki-S Combi is also a great choice for installers. All the unit's components are factory-wired and pre-installed, saving around eight hours on an average installation. It is also priced at approximately 18% cheaper than an equivalent separate water module, tank and 3-way valve.

A re-designed flow meter allows Yutaki S Combi to control the water flow for maximum efficiency of operation, and a new LCD controller displays heating, cooling and hot water capacities, and water flow (for easier commissioning and servicing). When connected to a power meter, it will also show energy consumption to give the homeowner a clear indication of where energy is being used.

"This is just one of a range of new products we are launching in 2014 and we're delighted it's now available in Ireland" says Fergus Daly, Area Sales Manager, Hitachi Ireland. "With clear benefits to both homeowners and installers, we expect the new Yutaki-S Combi to be very popular."

Contact: Fergus Daly, Area Sales Manager, Hitachi Ireland.
Tel: 01 – 216 4406; Mobile: 087 – 277 9405;
email: Fergus.daly@hitachi-eu.com ■



2G CHP from Kinviro

With an installed base of 85 mini CHP units across the island of Ireland, it was only a matter of time before Kinviro considered offering larger CHP systems to the Irish market.

Consequently, Kinviro has been appointed sales agent for German company 2G, one of the world's leading manufacturers of CHP systems. Headquartered in Heek, near Dusseldorf, Germany, 2G's CHP range goes from 20KW to 2000KW for both natural gas and biogas applications.

Founded in 1995, 2G has since evolved into one of the industry's leading suppliers of CHP plants with

over 4000 units installed in 20 different countries, and in 2007 was listed on the German Stock Exchange.

One of 2G's greatest strengths is its continuous investment in research and development. 2G Drives is 2G's dedicated R&D subsidiary with over 40 employees and the company that developed their own patented combustion technology, meaning 2G units are some of the most efficient

CHP packages available in the market today.

For example, the 550KW AVUS 500 Plus, with an electrical efficiency of 42.5%, is the most efficient of any CHP in its range. The first AVUS 500 Plus in Ireland is being delivered to a biogas application in a dairy in Derry and should be commissioned in the next few months.

Kinviro is promoting the 2G CHP range jointly in partnership with AC Energy, a specialist CHP servicing company that already has 10MW of CHP capacity under its care.

AC Energy has a team of 2G-trained service engineers to support any 2G equipment sold and installed in Ireland.

Contact: Frank Daly, Kinviro.

Tel: 087 637 9000.

email: frank@kinviro.ie;

Peter Normington, AC Energy.

Tel: 086 172 9739.

Email: peter@acenergy.ie



Now with Ireland's most extensive range of CHP units



In addition to SenerTec's Dachs mini CHP, Kinviro now offers the 2G range of CHP units. 2G is one of the world's leading CHP manufacturers with over 4000 units installed worldwide. Capacities range from 20kW to 2000kW with models suitable for both natural gas and biogas applications.

Kinviro promotes the 2G range in partnership with AC Energy, a specialist CHP service company that has a team of 2G-trained service engineers. This dedicated team is available to support installations throughout all of Ireland.

For further information, visit the Kinviro website www.kinviro.com and sign up for the mailing list
T: 01 443 3825 M: 087 637 9000 F: +353 1 484 5952



Gerard Duffy of Ochsner Ireland with Minister of State at the Department of Communications, Energy and Natural Resources, Fergus O'Dowd, TD and Brian Motherway, Chief Executive Officer, SEAI.

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Runner-up
Patina Lighting

Product
LUDO: Intelligently delivering light where needed

Best Energy Efficient Product

Winner
Philips Ireland

Product
Philips LUMA LED Lantern

Commended
LED Group

Product
Robus Emerald LED Lamp

Commended
Baxi Potterton Myson

Product
Myson Touch Room Stat

Commended
Harold Engineering

Product:
Roberts Gordon Radiant Tube Heating Systems

Best Innovation

Highly-Commended
Firebird Heating Solutions

Product
Solid Fuel Heat Exchanger

Highly-Commended
Stelrad Radiators

Product
Stelrad Radical Radiator

Commended
Watt Less Ltd

Product
Watt Less Auditing App

Best Services Provider

Winner
Metac Training

Service
Accredited, energy-related, training programmes

Commended
Activation Energy

Product
Efficiency Smart for Demand Side Unit

Commended
Saint Gobain

Product
Saint Gobain Technical Academy

Best Renewable Product

Winner
Nutech Renewables

Product
Solar Enhanced Heating System

Highly-Commended
Baxi Potterton Myson

Product
Megaflo ECO Solaready Cylinder

COVER STORY

Energy Show reflects optimism and upturn

This year's SEAI Energy Show at the RDS was a major success story with exhibitor numbers up 23% to 165 individual stands, and visitor numbers up 11.4% to 3435 named individuals.

THE ENERGY SHOW 2014
12TH & 13TH MARCH - RDS, DUBLIN 4



Overall Product of the Show – Metac Training Service: Accredited, energy-related, training programmes. Jim Gannon, Chairman of the judging panel with Dominic Dunne, METAC and Brian Motherway, SEAI Chief Executive.

The unique show formula – comprising stand exhibits, seminars, workshops, product awards and retrofit skills demonstrations – results in the perfect trading environment. It also facilitates the exchange of views, the sharing of market information, and the dissemination of details on ground-breaking new technologies.

Year on year SEAI introduces new facets to the show and 2014 was no exception. The International Markets area saw trade officials from all over the world present within a dedicated area to meet with businesses interested in making connections in the respective markets represented.

As part of that initiative Brian Motherway, SEAI Chief Executive, hosted a lunch for 12 ambassadors from various countries throughout the world.

Also new was the Smart Tech Demo Area. The vibrant energy market is providing many opportunities for the development of innovative smart technologies, many of which will have an important role to play in the transition to a smart grid. The Smart Tech Demo Area featured some of the smart products of the future which are currently at development stage and gave a foretaste of the revolutionary solutions now being developed.

The Retrofit Best Practice Demonstration Area is extremely popular with visitors, the regular live demonstrations of installation techniques and skills attracting large numbers for each session. Here again new elements were introduced for 2014 with heat recovery and ventilation being added to the full spectrum of insulation demonstrations. All are presented by expert craftspeople and fully-accredited industry professionals.

As always the dedicated Product of the Show Awards stand proved a “must see” for all visitors. New products and technological developments are the lifeblood of any industry and the energy sector is no exception. Indeed, such is the pace of change within the industry that it is difficult for those involved to keep fully abreast of what's new to the marketplace, and what's coming down the line.

The Product of the Show Awards highlight what, in the view of the expert panel of assessors, are the most important and exciting products and services being presented at the show. They are showcased on a dedicated stand so that visitors can note them, and then refer to them, as they visit all the stands at the show.

Full details are listed on the opposite page, while the images feature all the recipients collecting their respective awards. ■

“New products and technological developments are the lifeblood of any industry and the energy sector is no exception.”



Energy Efficiency Commended – Baxi Potterton Myson. Product: Myson Touch Room Stat. Paul Clancy, Baxi Potterton Myson with Brian Motherway, SEAI Chief Executive, Vincent Broderick, Baxi Potterton Myson and David McAuley, judge.



Best Energy Efficiency Commended – LED Group. Product: Robus Emerald LED Lamp. Damien Cullen, LED with David McAuley, judge.



Best Services Provider Winner – Metac Training. Service: Accredited, energy-related, training programmes. Brian Scannell, judge with Dominic Dunne, Metac.



Best Energy Efficiency Commended – Harold Engineering. Product: Roberts Gordon Radiant Tube Heating Systems. Brian Motherway, SEAI Chief Executive with Brian Mulhare, Harold Engineering.



Best Energy Efficiency Winner – Philips Ireland. Product: Philips LUMA LED Lantern. Brian Motherway, SEAI Chief Executive with Catherine Lambe, Philips Ireland.



Best Services Provider Commended – Saint Gobain. Service: Saint Gobain Technical Academy. Fintan Smith, Saint Gobain and Brian Motherway, SEAI Chief Executive.



Best Renewable Winner – Nutech Renewables. Product: Solar Enhanced Heating System. Sean Dowd, judge with Mark Forkin, Nutech Renewables, Brian Motherway, SEAI Chief Executive and Bill Quigley, Nutech Renewables.



Product of the Future Runner-up – Patina Lighting. Product: LUDO, Intelligently delivering light where needed. Brian Motherway, SEAI Chief Executive with Gerry Hamilton, Patina.



Best Renewable Highly-Commended – Baxi Potterton Myson. Product: Megaflo ECO Solaready Cylinder. Chris Hughes, judge with Paul Clancy, Baxi Potterton Myson, Brian Motherway, SEAI Chief Executive and Vincent Broderick, Baxi Potterton Myson.



Best Innovation Highly-Commended – Stelrad Radiators. Product: Stelrad Radical Radiator. Sean Dowd, judge with Johnny Goode, Ideal Stelrad Group and Brian Motherway, SEAI Chief Executive.



Best Services Provider Commended – Activation Energy. Service: Efficiency Smart for Demand Side Unit. Patrick Liddy, Activation Energy with Brian Motherway, SEAI Chief Executive.



Best Innovation Highly-Commended – Firebird Heating Solutions. Product: Solid Fuel Heat Exchanger. Chris Hughes, judge with Brian Motherway, SEAI Chief Executive and Nicola Barry, Firebird.



Best Innovation Commended – Watt Less Ltd. Product: Watt Less Auditing App. Ger Hamill, Watt Less with Brian Motherway, SEAI Chief Executive.



Product of the Future Winner – Climote. Product: Climote Connect Wind to Hot Water. Eamon Conway and Derek Roddy, both from Climote.

LAI prepares for International Year of Light

With UNESCO having declared 2015 International Year of Light, it is appropriate that the leading lighting manufacturers and distributors in Ireland have now come together to form the Lighting Association of Ireland (LAI). Established under the umbrella of the Electrical Manufacturers Distributors Association (EMDA), the two bodies will work closely and strategically to protect and promote the interests of the lighting sector going forward.



Gay Byrne,
Chairman,
Lighting
Association
of Ireland

“Light plays a central role in all aspects of human activity and industries based on light are major economic drivers”, says Gay Byrne, newly-elected Chairman of the LAI. “They create jobs, and provide solutions to global challenges in energy, education, agriculture, health and tourism. Light is also important to the appreciation of art, and optical technologies are essential in understanding and preserving cultural heritage.”

A comprehensive international report published by McKinsey & Co in 2011 predicts that the total global lighting market will have revenues somewhere in the region of €111 billion by 2020. As the years progress, an ever-increasing percentage will be new, technology-driven, energy efficient lighting. Indeed, a recent report emanating from the US says that the global market for energy efficient lighting alone will be €23 billion in 2015.

According to Gay, it is important to understand the underlying factors influencing this market surge, especially in relation to the emphasis on energy efficient lighting. For a start, world population growth (currently at seven billion), along with increased urbanisation, is fuelling this massive demand for lighting and lighting products. This growth pattern is strongest in commercial lighting, but the pace of residential lighting growth is catching up.

At the same time, climate change and resource scarcity are of increasing concern with Governments around the world – including Ireland – responding with greater regulation, especially in relation to energy usage. Given that lighting accounts for something like 20% of all energy consumed, it is not surprising that it

has come under the microscope.

“For the most part”, says Gay, “established lighting manufacturers, along with some new market entrants, have responded magnificently to this challenge. They have invested massive funds in research with the most significant development being that of LED technology. According to some industry commentators LEDs have the potential to reduce global lighting-related energy consumption from the 20% already mentioned to as low as 4%, and that is apart from all the other benefits associated with LED technology.”

However, as with all new emerging technologies – and particularly ones that represents a quantum leap forward over traditional technologies – there is the danger of misrepresentation and abuse. In this respect LED has proved to be no exception.

To begin with, some of the claims made for LEDs by irresponsible market players in respect of performance, longevity and life-cycle costs were quite blatantly untrue. They created a false impression and unreal level of expectation within the marketplace. The relatively low investment entry level – coupled with the lack of industry standardisation and regulatory controls – compounded this problem. The result was a proliferation of cheap, low-performing LEDs that complied with no standards.

“While this has undoubtedly caused confusion in the marketplace”, agrees Gay, “responsible LED manufacturers worldwide have responded accordingly. They have commenced a drive to educate both professionals and consumers alike as to the real benefits and features associated with LEDs.”

One of the primary LAI objectives is to do exactly that in Ireland.

Standardisation, product quality, regulatory compliance, education and training are the strands by which LAI aims to achieve that goal.

All parties in the supply chain – from manufacturers through to the consultant specifier, the wholesaler and the installing contractor – need to fully understand not just LED technology, but all the emerging lighting-related technologies, including controls and communication protocols.

In conclusion, Gay says: “We are already in the process of establishing close working relationships with Ireland’s standards authorities, leading training providers, and those responsible for standards compliance and implementation. In addition, we will shortly commence a major communication drive conveying a generic message relating to lighting aimed at all involved in the sector.”

As the foregoing illustrates, the emergence of the LAI is a welcome and timely development. This is especially so in Ireland where the drive towards energy efficiency and sustainability, coupled with a market upturn fuelled by replacement and retrofit, will drive increased sales going forward. ■

Light plays a central role in all aspects of human activity and industries based on light are major economic drivers.

VENTILATION AND AIR TIGHTNESS

Ventilation and HVR sector failing to capitalise on retrofit funding

Despite air tightness and ventilation systems being supported measures under the Better Energy Communities



(BEC) programme, last year few, if any, projects proposed a ventilation strategy that went beyond the minimum requirements. As we are now into the first quarter for 2014, Joe

Durkan of SEAI (above) advises that similar funding is available for the current year. SEAI is particularly looking for affordable, easily-adaptable and modular whole-house ventilation solutions that are replicable. This is an opportunity for the ventilation industry to build the case, by demonstration, that there are alternative, advanced ventilation and air tightness solutions.

The Better Energy Communities (BEC) programme is administered by SEAI as part of the government's wider national upgrade programme to retrofit Ireland's building stock and facilities to high standards of energy efficiency, thereby reducing fossil fuel use, running costs and greenhouse gas emissions. Its focus is on supporting new approaches to achieving high quality and efficient delivery of improvements in energy efficiency within Irish communities, and innovative delivery approaches at a community level.

In 2013, the BEC programme provided €15 million worth of funding to 84 projects with a total investment cost of €31.5 million, and delivered energy savings in excess of 59GWh. Projects covered the whole range of the built environment across the community, from hotels to sports clubs to community centres to dwellings and public buildings, and concentrated mainly on energy efficiency upgrades, with lighting, HVAC and smart technologies thrown in for good measure.

Many of the projects – particularly those with a residential element – focussed on fabric upgrades, mainly insulation (roof/wall/floor) and door and window upgrades. Air tightness and ventilation systems were supported measures under the programme, but despite there being funding available for measures undertaken – up to 100% for energy-poor homes and 35% for private dwellings (non energy-poor) – projects lacked ambition to take their ventilation strategy beyond the minimum requirements..

In order to truly deliver energy savings in a retrofit project, an effort must be made to attain advanced levels of air tightness. To be beneficial, a whole house air permeability level of less than

Table 1 – Recommended energy efficiency selection criteria and minimum performance specifications for ventilation systems

Type of ventilation system	Suitable energy efficiency envelope air permeability range (m ³ /(m ² hr))	Maximum SFP (W/(l/s)) Achieved	Minimum Heat Efficiency %
Intermittent extract fan	5 and above	0,5	N/A
PSV	5 and above	N/A	N/A
MEV	5 and above	0,3	N/A
MVHR (see note)	5 and above	0,8	85

NOTE: A MHVR unit which may be shown to be equivalent (or better) to this overall level of performance is also acceptable. Source: NSAI Code of Practice

5m³/hr/m² should be planned for and attained. Many of the common-sense improvement measures deployed during the course of a normal refurbishment (draught proofing, glazing replacement, and sealing of services and other fabric penetrations, full fill cavity or external insulation), automatically improve the levels of air tightness. Conducting an air permeability test before and after the retrofit measures helps to ensure that the required air tightness level is achieved.

However, advanced levels of air tightness require an appropriate ventilation strategy. By reducing or restricting the “traditional” methods of adventitious ventilation (air leakage and draughts), improved air tightness measures dictate that consideration must be given to ensuring that sufficient background ventilation is maintained. In general, this requirement to ensure that adequate ventilation is provided to ensure good indoor air quality while providing good levels of thermal comfort is poorly understood and poorly applied in Ireland.

Conventional methods of providing background ventilation, (e.g. wall ventilators) negate the benefits of air tightness and can partially counteract the impact of improved insulation. This is particularly so in the case of external insulation with “hole in the wall” ventilation, although proprietary wall ventilator systems do exist that can mitigate this somewhat.

NSAI has just published the Code of Practice for the energy retrofit of dwellings (SR 54 – 2014). The Code devotes a complete section to the subject of ventilation in the context of retrofitting dwellings. When retrofitting to an advanced level of air permeability (i.e. better than 5m³/hr/m²), the Code recommends that a whole house mechanical extract ventilation system, including heat recovery options, is the optimal ventilation strategy.

In order to ensure that controlled, uniform ventilation is provided throughout the house at all times, a continuous mechanical extraction system is recommended (see Table 1). These systems employ fans and ducts to remove stale air and to supply fresh air to the dwelling. Generally, each habitable room (bedrooms, living rooms) will have an inlet vent supplying air

Table 2 – Minimum levels of extract and supply ventilation when continuous extraction is used

Room usage	Continuous extraction rating (l/s)	Number of bedrooms	Minimum whole house ventilation rate (l/s)
Kitchen	5 and above	0,5	N/A
Utility room	5 and above	N/A	N/A
Bath or shower room	5 and above	0,3	N/A
WC (only)	5 and above	0,8	85

NOTE: Each habitable room should be provided with a minimum background ventilation of three x 125 mm² free areas.

a) Where the window opening size is 10% of the floor area of the WC and is relied upon to provide extract ventilation then this should not be included in the sum of total extraction rate calculation. *Source: NSAI Code of Practice*

directly from the system. This obviates the need for traditional natural ventilation solutions such as trickle vents or wall ventilators.

Exhaust vents remove stale air from rooms where moisture, odours and contaminants are produced (utility rooms, kitchens and bathrooms). Table 2 of the Code of Practice gives guidance on the minimum levels of extract and supply ventilation to be achieved when a continuous extraction system is being installed.

Particular care must be exercised where there are combustion appliances. For the efficient and safe operation of open-flued appliances, a permanent air supply should be provided to ensure continuous fresh air to the appliance. The design of the ventilation system should minimise the likelihood of spillage occurring. If not balanced correctly, the extraction system might lead to a depressurisation in the room where an open flued combustion appliance is located and cause the combustion gases to be drawn into the room.

The addition of heat recovery to a mechanical extract ventilation system can substantially improve the thermal performance of the dwelling. By capturing some of the heat that would otherwise have been lost to the atmosphere, HRV systems can pre-heat the air coming into the building and provide better control over humidity levels.

When taken together, advanced air tightness levels, mechanical ventilation and heat recovery can reduce the energy costs of a dwelling by more than 10% and improve the Building Energy

Rating of the building by at least one level. This is easily the equivalent of installing full cavity insulation in a normal-sized dwelling.

In 2014 the Better Energy Communities programme has funding of €13.5 million. The funding is made up of €8.5 million for Better Energy Communities (which will provide funding for pioneering partnerships to achieve energy efficiency through building retrofits within Irish communities) and €5 million for Better Energy Area Based Programme (which will provide funding for projects to deliver energy efficiency upgrades to energy-poor households).

The programme is looking for projects that will improve the thermal and electrical efficiency of the building stock and facilities, and the integration of renewable technologies. It encourages the implementation of deeper and more technically and/or economically challenging measures across a blend of domestic and non-domestic elements spanning multiple sectors.

In addition to the normal range of retrofit measures, SEAI is particularly looking for affordable, easily-adaptable and modular whole-house ventilation solutions that are replicable. This is an opportunity for the ventilation industry to build the case, by demonstration, that there are alternative, advanced ventilation and air tightness solutions.

More details on SEAI's Better Energy Communities programme can be found at www.seai.ie/grants.

SR 54 – 2014, the Code of Practice for the energy retrofit of dwellings can be downloaded from <http://www.standards.ie/cgi-bin/news/ie/NEW276> ■



CIBSE SDAR Awards 2014 focus on sustainability

Early March witnessed the fourth annual SDAR Awards final, organised and hosted by the School of Electrical and Electronic Engineering in Kevin Street DIT. This is one of two major CIBSE Ireland applied research events and is intended to disseminate best practice in innovation and evaluation. Once again it was sponsored by John Sisk & Son, and supported by *Building Services News*.



First prize on the night carried an award of €1,000 (courtesy of Sisk & Son), with the runner up prize recipients each awarded €300 (courtesy of CIBSE Ireland).

All the shortlisted papers were reviewed by the panel of judges prior to the event, with the finalists then presenting their papers to the panel, and a wider industry audience, on finals day. This year the judging panel consisted of Michael McNerney, Cylon Active Energy & CIBSE; Kevin Gaughan, Chair of the MSc in Energy Management, DIT; and Brian Geraghty, Brian Geraghty Associates & CIBSE.

This year's SDAR Awards included entries from electrical, construction and mechanical disciplines, with the four finalists' papers based on the theme of sustainability. At a time when businesses need to be green, these industry-based research papers offer attainable opportunities to embrace new methodologies going forward.

The SDAR Awards promote collaboration between industry and academic institutions. At a pivotal time in the economy when companies require savings in all areas of expenditure to maintain trading, it is heartening to see such potential offered from these critical evaluations. The intention is to move from ideologically-based ideas and innovations to proven value and energy reduction for clients.

The overall objective is to encourage applied research in companies and to ensure quality and value in innovation projects. The more research papers and post-occupancy

Kevin Kelly with Colin Conway and Paul Maher, all of DIT.



Back Row: Michael McDonald and Keith Sunderland, both of DIT, pictured with Sean Dowd, CIBSE Ireland Chairman. Front Row: SDAR Awards' finalists Aidan Walsh, DIT; Tony O'Keefe, SIRUS; Colin Conway, DIT and Vincent Gibson, DIT & CIL.

evaluations undertaken, the better sustainable design and energy efficiency will be in future and existing buildings. Without knowledge of technology, it is difficult to forecast what direction future design will take. The role of CIBSE is to facilitate this process and disseminate the findings.



SDAR Awards' Judges – Michael McNerney, Clyn with Brian Geraghty, BGA and Kevin Gaughan, DIT.

The Awards ceremony was opened by Dr Keith Sunderland, Assistant Head of Electrical Services Engineering and Michael McDonald (event organiser) from the School of Electrical and Electronic Engineering, DIT Kevin Street. Sean Dowd, Chairman of CIBSE Ireland, closed the proceedings.

The well deserved winner this year was Aidan Walsh, currently an MSc student on the Energy Management Programme in DIT Kevin Street. He presented a paper titled *The Impact of the New EN 16247 Series of Standards on Energy Audits for Buildings*. The paper included a detailed analysis of this new standard and also a case study of a commercial building where an energy audit was conducted using both the new standard, and the *ISO 50001 Energy Management Systems*.

This new standard will have an impact on future energy audits in areas such as scope, aims, energy consumption analysis and how energy efficiency improvement opportunities should be presented. It is available to view through the CIBSE Ireland website and will also be published as part of the next *SDAR Journal*.



Justin Keane, representing main sponsor SISK & Co with overall winner Aidan Walsh and Sean Dowd, CIBSE Ireland Chairman.



Tony Carolan, DIT pictured with Kevin Hazlett, DCC and Gavin Doyle, Donn Cronin and Paul Hyland, all from DIT.

‘ BIM is not about the future ... it is about now. Building professionals and contractors not adopting BIM are like airlines not using online booking ... they will soon go out of business.

DIT Springboard programmes

Presentation of BIM diplomas and certificates to mature students at DIT Bolton St

Minister for Training & Skills,

Ciaran Cannon, TD, recently officiated at the inaugural presentation of BIM diplomas and certificates to 65 mature students at DIT Bolton St. The evening was a major success with approximately 150 people attending to witness the awards ceremony, and to hear presentations from a diverse range of academic and industry experts.

Dr Kevin Kelly, Head of the new School of Multidisciplinary Technologies at DIT, opened the proceedings and put the occasion into context. He outlined

how the demands of the construction sector have dramatically changed and explained that DIT has responded



Professor Gerald Farrell, Dean of the College of Engineering and Built Environment, DIT with Minister for Training & Skills, Ciaran Cannon, TD; Professor Brian Norton, President, DIT; and Noel Kennedy, Intel.

accordingly, devising a whole programme of courses to satisfy this new environment.

“BIM is especially important in this respect”, said Kevin, “because BIM is not just about software but is a paradigm shift that brings collaborative design forward in a way that combines the best design ideas with organised implementation and excellent communications. This allows for

off-site construction and speedy delivery of low-energy projects in a cost-effective way.

“The creation of the School of Multidisciplinary Technologies breaks down silos between disciplines and builds collaborations, BIM being an excellent example”, continued Kevin. “BIM is not about the future ... it is about now. Building professionals and contractors not adopting BIM are like airlines not using online booking ... they will soon go out of business”.

Professor Gerald Farrell, Dean of

Left: Minister for Training & Skills, Ciaran Cannon, TD addresses the gathering.

the College of Engineering and Built Environment, echoed and reinforced Kevin's sentiments. He explained how, in response to the need for change, DIT amalgamated two areas, the Built Environment and Engineering. "One of the key drivers of this restructuring was to allow us to deliver more multidisciplinary education" he said, "reflecting a world where everything around us that we plan, build and use is developed by teams of people drawn from many disciplines."

Following restructuring, the College now consists of seven schools. Each school covers a range of disciplines and one school in particular, the School of Multidisciplinary Technologies, demonstrates DIT's commitment to provide all graduates with the multidisciplinary skills and knowledge needed to succeed in a diverse range of careers. The School of Architecture also reflects a strong multidisciplinary nature, through its combination of architecture and construction-related programmes.

Many of the graduates on the BIM course were funded through the Government's Springboard initiative. This allowed DIT develop new technologies and techniques in building information management education to



Andrew Lundbergh, Malachy Matthews and Simon McGuinness, all from the Dublin School of Architecture, DIT.

deliver useful CPD programmes, among them the BIM courses.

The BIM graduates have gained a fresh and very relevant set of skills and knowledge that will enhance their careers and employability. Of equal importance for Ireland is that they will, in turn, transfer their skills and knowledge into Irish industry, in particular construction. They will also redress the emerging skills deficits in the sector.

DIT will continue to collaborate in developing programmes and modules in areas with the potential not only to underpin successful careers, but

also to help Ireland develop a sustainable construction sector capable of meeting the many challenges it faces. In this context teams in the College and the wider DIT have applied for further Springboard funding with a view to running these programmes, and others, again from next September.

In closing Professor Farrell thanked Minister Cannon for his support and for attending the proceedings. He also acknowledged the support of Government in providing the resources nationally for the Springboard initiative over the last few years, explaining that it was a critical component of the Government's strategy to achieve full employment in Ireland by 2020.

Finally, he thanked DIT President Brian Norton and all his colleagues in DIT for their contribution to the success of these Springboard programmes, and in particular the staff of the College of Engineering and Built Environment. "I am only too aware that the development of new initiatives at a time of constrained resources and decreasing budgets is a very significant challenge", he said. "However, I firmly believe that the graduates here this evening are tangible evidence of the ability, and willingness, of DIT to overcome constraints to the benefit of our stakeholders." ■



Ms Orna Hanly, Head of Architecture with Cormac Allen, Head of Architectural Technology; Duncan Stewart, former lecturer DIT; Kevin Furlong, School of Multidisciplinary Technologies and Programme Chair BIM programmes in DIT; and Kevin Kelly, Head of School of Multidisciplinary Technologies in the College of Engineering and Built Environment, DIT.

IPFMA NEWS



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www.ipfma.com

Graduates honoured at IPFMA annual members' lunch

There was a great turnout at the annual members' lunch of the Irish Property & Facility Management Association (IPFMA) in Dublin recently at which the first graduates of the new Higher Certificate in Property & Facilities Management were honoured.

Attendance numbers were well up on previous years with over 255 property, asset and facility manager members and guests

turning out to hear the after lunch speakers sports personality and commentator Ray Houghton and sports broadcaster Des Cahill.

The first four graduates of the IPFMA's new educational course accredited by DIT Dublin, the Higher Certificate in Property & Facilities Management, were honoured at the lunch having already been awarded their Higher Certificates at a graduation ceremony at DIT.

IPFMA Chairman Vincent Hickey gave the main address. "There has been momentous growth over the past 25 years in this sector in Ireland", he said, "and the IPFMA structure, with its commitment to furthering educational qualifications, has responded well. We now find ourselves in a property and facilities market that is more professional, regulated and demanding than ever before".

The IPFMA estimates the current size of the facilities market in Ireland to be in the region of €650 million. Vincent Hickey says that this is a figure that continues to grow, as more and more multinationals locate in the Republic of Ireland.

In comparing the property management sector to facilities management, he said that growth in commercial property management has remained stagnant in recent times.

"However," he went on, "there is movement and growth in the residential property management sector. This is mainly attributed to owner management companies appointing reputable management agencies, who are compliant with the property regulator".

In the facilities management sector, Mr Hickey pointed out that in the UK 60% of services are provided by external providers, whereas in Ireland the figure is 45%. "This figure is set to increase", says Vincent Hickey, "as more 'big name' multinationals and key players in the life sciences industry relocate



Vincent Hickey, IPFMA Chairman with Julie Lynch, one of the first graduates of the new IPFMA/DIT Higher Certificate in Property & Facilities Management, and Tom Dunne, Head of School, DIT Bolton Street.



IPFMA past chairmen Sean Aylward with Peter Moloney, Ganly Walters Management, Micheal O'Connor, President of the Society of Chartered Surveyors Ireland, and John Brophy, Vice-Chairman of the IPFMA.



Larry Kane, a past chairman and a founder member of the IPFMA with Vincent Hickey, Chairman of the IPFMA and Michael Donohoe, Director, Colliers International Dublin.



Ray Houghton, guest speaker, with Micheal O'Connor, President of the Society of Chartered Surveyors Ireland.



Donal O'Brien, Aramark and Dan Uprichard of BIFM Northern Ireland.

here, coupled with the fact that they are influencing the development and character of the Irish facilities management industry in a major way".

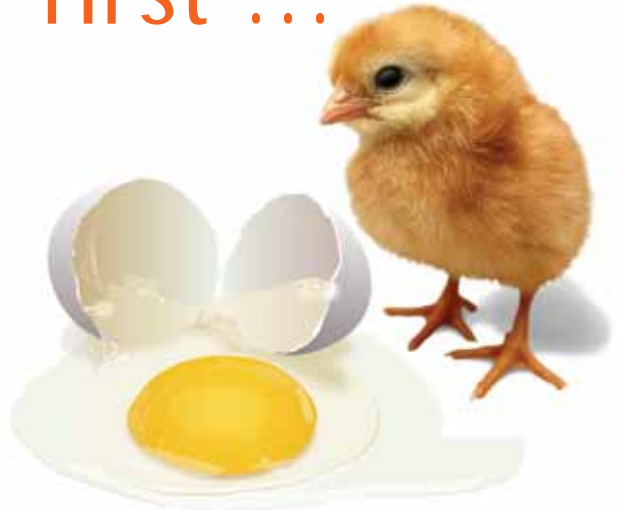
Mr Hickey also spoke of the need for property managers to adopt a shorter term outlook than facilities managers, on account of their objective to minimise expenditure and maximise ROI for building owners.

"The majority of leases these days are for shorter terms with favourable conditions for tenants. Property managers are now more focused on keeping tenants' needs satisfied in order to retain them for longer periods", he explained.

"Owing to the significant drop in building values in recent years, property managers are tasked with both maintaining and upgrading premises on tight budgets, as well as ensuring that service charges remain competitive", he concluded.

Contact: Fiona Barron, IPFMA Chief Executive. Tel: 01 - 644 5520; email: fbarron@ipfma.com ■

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