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BS News

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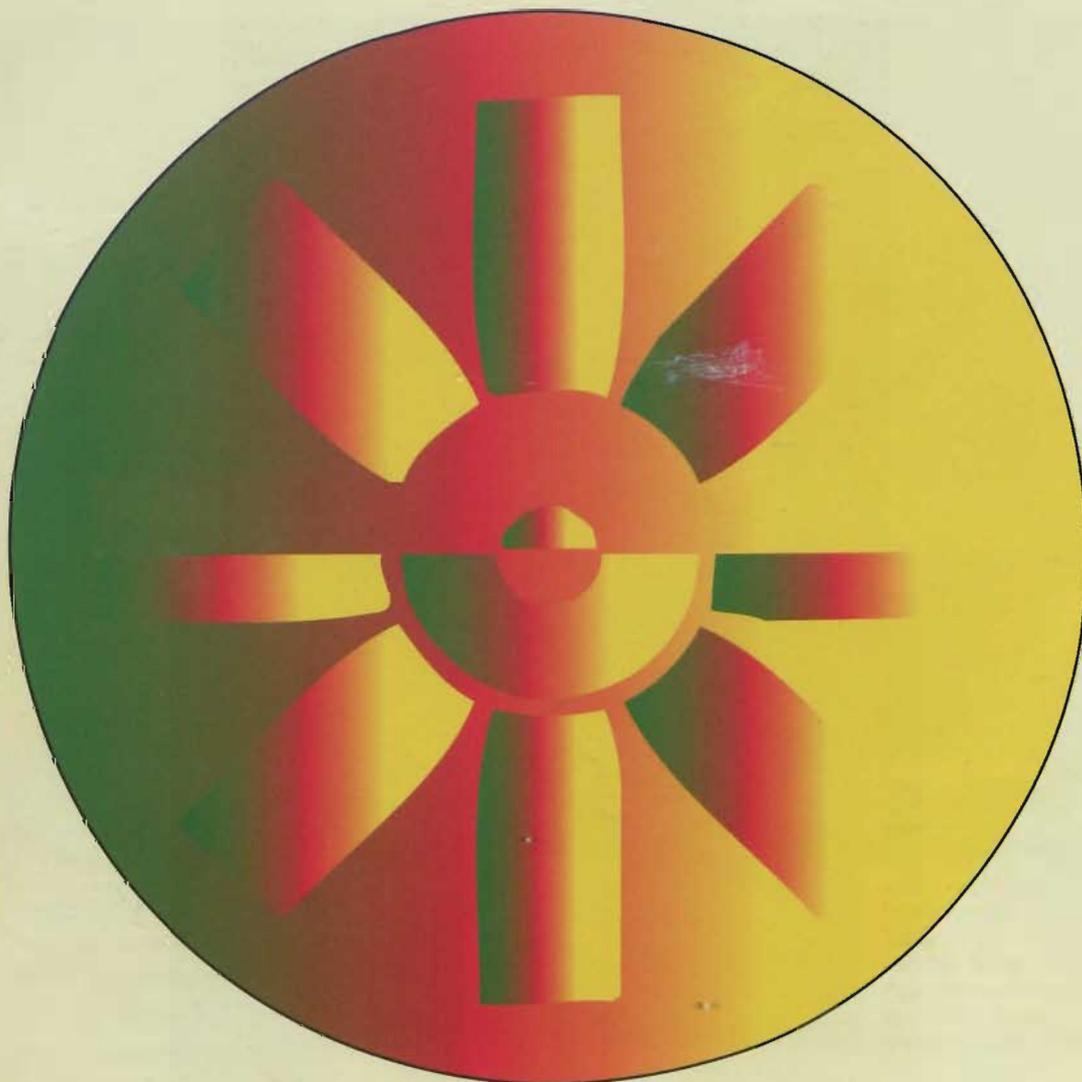
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BSN News

MECHANICAL & ELECTRICAL BUILDING SERVICES



Ventilation & Air Conditioning Association of Ireland

ALSO

- **Vokèra Ireland – Building on Success**
 - **Energy Show Review**
 - **Reconair – The Next Generation**
 - **National Boiler Awards**

Innovation in Pumping Technology



MVi



MHi

Stainless Steel Vertical and Horizontal multistage pumps for water supply, boosting, sprinkling, irrigation, high pressure wash, fire protection and water treatment (De-mineralisation, Filtering).

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- Fire protection
- Water treatment
- Boiler Feed

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BSNews*

MECHANICAL & ELECTRICAL
BUILDING SERVICES

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Readership Data

Irish Building Services News (formerly Irish H&V News) is Ireland's only Building Services magazine providing coverage of heating, ventilating, air conditioning, refrigeration, sanitaryware, plumbing, maintenance and environmental industries. It is the only publication catering exclusively for these industries and its circulation includes members of the following:-

- Chartered Institution of Building Services Engineers (CIBSE);
- The Mechanical Engineering & Building Services Contractors' Association (MEBSCA);
- The Association of Consulting Engineers of Ireland (ACEI);
- The Mechanical Engineering Contractors' Association;
- The Institute of Domestic Heating Engineers (IDHE);
- The Registered Heating Contractors Association;
- The Maintenance, Energy & Environmental Technology Association (MEETA) which incorporates energy managers and maintenance managers;
- The Energy Conservation & District Heating Association;
- The Institute of Plumbing;
- The Irish Home Builders Association (IHBA);
- Builders Merchants/Trade Supply Outlets;
- Irish Property & Facilities Managers Association.

In addition, Irish Building Services News circulates to independent building services contractors and key executives in industry. Government, Semi-State and local authority bodies. Essentially, our circulation is virtually saturation coverage of all those with an interest and/or involvement in the industry.

BS News wishes all our advertisers and readers a happy and peaceful Christmas and prosperous New Year



National Boiler Awards

Joe Jacob, TD, Minister of State at the Department of Public Enterprise, pointed out that operators of boilers could play a key role in energy conservation and efficiency when speaking at the presentation of the 1998 National Boiler Awards in the Burlington Hotel recently. We carry a full report on page 18. Photograph shows John Kiernan, Rye Valley Foods with Joe Jacob, TD, Minister of State at the Department of Public Enterprise; and Eddie Heavin, Rye Valley Foods. Rye Valley Foods were winners - Small Industrial Boilerhouse.

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Thermo Systems Visionary Deal

Aidan Lynch, Managing Director, Thermo Systems and Brian Houghton, Managing Director, McQuay International, concluded the signing of the sole licensing agreement between the two companies for McQuay's Visionary Manufacturing System at their recent meeting in Dublin.

Working closely with Thermo Systems, McQuay International has invested over £5 million in Ireland developing the package. With design and ordering fully automated using the internet, the package will result in a more responsive and efficient service, in addition to more competitive pricing.

"Essentially", says Aidan Lynch, "the package is a design software tool which allows us to benefit from reduced lead-times due to joint-venture purchasing agreements with suppliers of fans, coils and framing items.

"Unique to Ireland, and indeed the air handling industry worldwide, McQuay's Visionary Manufacturing System is a significant step forward and one which will result in considerable client benefits".

Contact: Aidan Lynch, Thermo Systems. Tel: 01 - 492 5340.

Left: Aidan Lynch, Managing Director, Thermo Systems, pictured with Brian Houghton, Managing Director, McQuay International, at the signing of the sole licensing agreement between the two companies for McQuay's Visionary Manufacturing System.



Grafton Acquires Deben Builders Merchants

Grafton Group plc has acquired Deben Builders Merchants Ltd ("Deben"). Deben is a leading builders merchant in London and trades from six branches. The consideration is STG£6.1 million in cash, including acquired debt.

Commenting on the acquisition Executive Chairman of Grafton, Michael Chadwick said: "The acquisition of Deben strengthens the Group's builders and plumbers merchandising coverage in the London area to a network of 24 branches. The integration of Deben into the Group is expected to lead to increased profitability as a result of purchasing benefits and operational efficiencies".

The acquired business also includes a 50% interest in a joint venture with Grafton Group. The joint venture trades from four branches in the London area.

Maico Wall-Mounted Fans

Irish Fan Distributors has introduced two new Maico wall-mounted fans for the ventilation of small and medium-sized rooms. They are the Maico-cabinet, model series ECA 100k which fits into 100mm shafts and ducts and the Maico-Pro model series ECA 120k which fits in 120mm or 125mm shafts and ducts. Common characteristics and features of both include:-

- Model with electric internal shutter;
- 1 ph AC 230 V,

- 50/60 Hz;
 - Housing made of shock-resistant plastic; colour white RAL 9016;
 - Covers in other colours by request;
 - Standard thermal overload protection;
 - Electrical connection either surface or recessed;
 - Maximum permissible temperature + 40°C;
 - Protection type IP 34;
 - Protection class II;
 - Standard protection against condensation water for ceiling installation;
 - Approval: VDE-GS.
- Contact: Billy Wright, Irish Fan Distributors.
Tel: 051 - 852404.



Vokèra Ireland Grand Opening



The official opening of Vokèra Irelands' new premises in Callan, Co Kilkenny, took place recently. In a special 4-page feature (see pages 11 to 14) *BSNews* looks at the company, its background, and its plans for the future.

Pressure Test Gauge with ASME Grade 3A Accuracy

Manotherm has introduced Dwyer Instruments new line of precision, pressure-test gauges, the Spirahelic® Series 7214A, designed with $\pm 1/4\%$ of full scale accuracy as defined by the American Society of Mechanical Engineers grade 3A specifications.

A unique triple-wound, spiral/helical Bourdon tube achieves this high level of performance through direct drive of the indicating pointer, avoiding gears, cams, mechanical linkages,

plus the wear and sluggish performance often associated with more expensive competitive units. Parallax error is virtually eliminated by the combination of a razor-thin, knife-edge pointer and highly-reflective mirrored scale overlay.

Eight stocked models are initially available, reading from a low 0-100 psig up to 0-6000 psig. Comparable models can be supplied reading in kPa, MPa or bar metric units.

Premium wetted materials are employed including an Inconel® X-750 Bourdon tube and 316 stainless steel connection block, assuring exceptional media compatibility and extended service life. These 6" solid-front gauges are sized to conform to ASME B40.1, so they replace existing gauges without changing panel cutout or mounting holes.

Dual 1/4" NPT female connections provide a choice of horizontal or vertical piping. An integral filter plug inside the connection block protects Bourdon tube from contaminants and serves as a restrictor if overpressure causes a rupture.



New Dwyer 6" pressure test gauge with ASME Grade 3A accuracy from Manotherm.

O.D. is 7-19/32" (192.8mm) and overall depth is only 2-1/2" (63.5 mm). Weight: 26 oz (.74kg). Temperature limits: -65 to 180°F (-54 to 82.2°C).

Contact: Bob Gilbert/Brian Harris, Manotherm.
Tel: 01 - 452 2355.



■■■ RONDO LINE

DISTRIBUTORS FOR IRELAND

Excel Industries

Coolmine Industrial Estate, Clonsilla Road, Dublin 15.

Tel: 01 820 7900; Fax: 01 820 4797 email: excel-industries.com

■ Technology

■ Quality

■ Design

sanitary

FRANKE

Washroom and Sanitary Equipment

Mitsubishi Electric Air Curtains

Mitsubishi Electric has introduced a limited range of air curtains which is expected to be expanded to include both hot and cold air units by the end of the decade.

Initially, the cold air units will be targeted at industrial cold store type applications, but as the hot air units become available, they will be increasingly targeted at the retail and office markets.



Mitsubishi Electric air curtain.

"Air curtains are a natural extension to our business", explained Mitsubishi Electric AC Division Manager, Mike Sheehan. "Everything we do is about preserving, maintaining or controlling the office, shop or industrial environment, and air curtains are no different.

"In addition, and really quite importantly, as well as being robust enough for industrial application, the units we are now introducing are discreet, compact and efficient. As a result, when we add the hot air units to our range and expand into the retail and office markets, we will be doing so with a product that will be completely at home in a design-conscious environment".

Contact: Mike Sheehan/Paul Sexton, Mitsubishi Electric. Tel: 01 - 450 5007.

Bord Gáis Superbowl Winners

Five lucky builders are on their way to Superbowl 1999 courtesy of Bord Gáis. The Bord Gáis Sweepstakes at Leopardstown on Monday, 26 October last, saw the culmination of this year's promotion to the building trade, The BGE 250 kWh Club.

To the strains of Neil Diamond's "They're Coming to America", four of the five winners approached the stage in the Bord Gáis Pavilion to receive their prizes.

Chris Molloy of Guardian Builders automatically qualified for the trip, having led the leaderboard all the way;

It was a double whammy for Cork with Jerry O'Sullivan, Murphy & O'Sullivan and Bill Feehely, Murphy & O'Sullivan, winning through on the day;

Pat McEvoy, McInerney Construction also qualified on the Monday, and Niall Lawless, Albany Homes, was the lucky "quick pick" member who will travel also.

Mark Eire at Construct '98



Maurice Byrne, Mark Eire, with Victor Morrow, Mark Eire's NI Agent, on their stand at Construct '98 in Belfast.

Apex Fire Appointments

Three senior appointments have recently been announced by Apex Fire – they are Stephen O'Connell and Dave Bridgeman-Smith who were appointed to the Board, and Trevor Burson who was appointed Manager of the Commercial Portable Division Contracts Team.

Details of the appointments were announced at a reception to celebrate the company's 25th birthday which was held in the Westbury Hotel, Dublin. Speaking at the informal function, Managing Director Alex Wadkin said:

"Apex Fire would not be here today were it not for the support and co-operation of our customers. Nor would we have expanded so significantly over the last 25 years".

Pictured are Dave Bridgeman (Director, Bridgeman Smith); Alex Wadkin (Apex Fire); Sean Flood (Apex Fire); and Chris Lundy (Apex Fire).





CHAPPEE Oil & Gas Fired Cast-Iron Boilers

NXR3 Range – 70/290 kW

NXR4 Range – 260/800 kW

The High-powered Boiler



Chappee NXR3 and NXR4 cast-iron boilers with generous heat exchange surfaces enhance heat transfers, and therefore make the most of the combustion process making these boilers amongst the most efficient in the market.

Moreover, its double insulation, featuring one 50mm layer of glass wool on the glass fabric surrounding the exchanger and one 50mm layer around the casing, reduces dramatically the heat radiation losses.

Thanks to the design qualities of its exchanger and its insulation, the Chappee boilers achieve crucial energy savings and minimises pollution.



Hevac Ltd

70-72 Lower Dorset Street, Dublin 1.
Tel: 01 - 830 1211; Fax: 01 - 830 1990



CHAPPEE

Codema ... Saving Energy

Codema is a pioneering and innovative agency, in coordinating information and activities of public and commercial bodies, for implementing good practices in energy management.

The management committee of Codema comprises representations from the following bodies – Dublin Corporation; Department of Public Enterprise; Department of the Environment and Local Government; Dublin Chamber of Commerce; The Homeless Initiative; Dublin City University; Electricity Supply Board;



Expo Exhibitions has appointed Stephan Murtagh as Sales Manager with the company. Prior to this Stephan was Sales Representative with Expo. He also worked with Golden Pages and FM104. Expo Exhibitions, Ireland's premier exhibition company, is responsible for organising a wide-ranging portfolio of exhibitions, including Plan Expo, HireXpo, Catex and Printex.

and Bord Gáis Eireann. Chairperson is the Lord Mayor of Dublin.

Codema is staffed by professional personnel with relevant skills and experience. These include Director, Dr Gerry Wardell, (MA PhD CPhys MInstP CEng Eur Ing) and Co-ordinator, Ms Claire Bourke (Civil Eng Tech, Social Studies NCIR).

Energy Balance

Knowing the energy balance of the city is the first step in good housekeeping. This forms the foundation for solid energy planning. Codema has just completed the first energy balance for Dublin City.

Energy in Housing

At 46% of overall energy consumption, the residential sector is the largest energy consumer in the city. Codema has initially specialised in housing, resulting in the development and application of best practice energy management techniques which have improved thermal comfort and reduced energy costs by up to 58% in a current major housing development.

Energy Policy

According to Codema, an energy policy must embody the key energy elements of sustainability as set out by Local Agenda 21. It is progressive and dynamic in response to an ever-changing set of demands and targets. Codema has prepared the

energy policy for the new development in Ballymun, which is published in the Masterplan for the new Ballymun, March 1998.

Recommendations

- (1) A clear Energy Strategy for improved energy efficiency in the Residential Sector is required, as it is the largest consumer of energy (46% of total);
- (2) The development of a Sustainable Energy Policy is required for the city, that links into the National Programme.
- (3) Monitoring of energy performance and prompt

feedback of results is recommended so that Best practice is implemented effectively;

(4) Focus on the end-user, as an important factor in achieving energy efficiency, is recommended. It has been found that energy solutions which are interwoven with the fabric of social needs are more likely to succeed than those based solely on technical solutions.

Contact: Gerry Wardell/Claire Bourke, Codema. Tel: 01 - 296 4072; Fax: 01 - 296 2484; Email: codema@iol.ie

Natmaint '99

Natmaint '99 Irelands' exhibition for the maintenance and facility management industry, will take place on 26/27 May 1999 in the New Shelbourne Hall at the RDS, Dublin. Due to the success of Natmaint '98 and the demand from visitors and exhibitors alike, the organisers have expanded the scope of the exhibition to cover one of Ireland's fastest-growing markets, facility management.

The visitor's list to Natmaint '98 reads like a Sales Managers dream list of Irelands top companies, including State and Semi-State bodies. A veritable who's whom of Irish industry. This is your opportunity to meet the Engineers, Purchasing Managers, Facility Managers, Directors and decision makers who control a national maintenance spend estimated at over £1.5 billion per year and growing.

To complement the two-day exhibition, Natmaint '99 will host a range of seminars for the benefit of both visitors and exhibitors. Papers will be given by organisations such as MEETA (Irish Maintenance society); IPFMA (The Irish Property & Facility Managers Association); The National Maintenance Centre; and selected exhibitors who intend to use Natmaint '99 as a forum for launching new products or services, or to present awards.

Contact: Liam Walsh, Natmaint '99. Tel: 01 - 624 2827.

IDHE Coming Events

Direct Fired Hot Water Applications: Sponsored by Hevac Ltd. Venue: IEI, Clyde Road, Dublin 4. Time: 7.20pm, Tuesday 19 January 1999.

IDHE Annual Dinner: Moran's Red Cow Hotel, Friday 26 February 1999 at 7.30pm. See also page 24.

Noise Control and Research Laboratories

Noise Control & Research Laboratories (NCRL) is a wholly-owned subsidiary of Ventac & Co Ltd. It was conceived in 1995 and is in the completion stages now, due to begin operation in February 1999. The team responsible for the building was architect Wilfred Craftrey, ARIBA; Chris Dilworth, B Eng (Hons) MIOA of NES Ltd; and the Laboratory Manager Billy Forsyth, B Sc (Hons) Dip, Eng. The laboratory is currently the only one of its kind in the country, consisting of a source room, a receiving room, and control room. The heart of the laboratory is The Norsonic RTA 840.

Why did Ventac build this acoustic research facility?

Good building services design should address the following criteria:

- Aerodynamic design
- Thermodynamic design
- Acoustic performance

There are two ways available to the building services engineer to determine and assess the acoustic performance of plant or building structure.

- On site measurement
- Laboratory testing

It is not possible to control environmental conditions during on-site tests and, as such, results obtained are, to say the least, questionable.

However, with laboratory

testing the engineer is able to control each determining factor within suitable limitations, thus allowing precise measurements to be achieved.

What exactly is the facility?

The facility will comprise a source room and a receiver room, which together will form a transmission suite, each room having an enclosed volume of 50m³ and 150m³ respectively. This will enable the publication of verifiable acoustic data and will accommodate the measurement of sound power/pressure levels, sound transmission and absorption.

What are the governing standards of this new laboratory?

To achieve accreditation the laboratory has been built in accordance with the following international standards:-

- NMCA 300-67: Test code for sound rating air-moving devices;
 - BS2750 1980: Measurement of sound insulation in buildings and of building elements.
 - BS4196 Part 1 1991: Precision methods for determination of sound power levels for broadband sources in reverberation rooms.
 - BS4718 1971: Methods of test for silencers for air distribution systems;
 - BSEN20354 1993: Measurement of sound absorption in a reverberation room.
- Contact: Ciaran King, NCRL. Tel: 01 - 667 1077.

Terry's Heating and Plumbing, Cork

Terry's Heating & Plumbing Shop, incorporating an extensive bathroom showroom, will open for trade in January 1999. It is located at Mayfield Shopping Centre in the North side of Cork city, in an area not already serviced with a heating and plumbing shop or bathroom showroom.

The catchment area includes the mature city residential districts of Ballyvolane, Tivoli, St Luke's, Montenotte, Silverheights, and Dillons Cross, in addition to the mature urban county residential areas of Glanmire, Riverstown, Little Island, Watergrasshill, Carrigtwohill, Fermoy, Cobh and Middleton.

The broader catchment area is currently being transformed by a massive building boom. When the Lee Tunnel opens in March, there will also be easy access to the Blackrock peninsula, and its adjoining districts.

In addition to catering for residential requirements, the enterprise will also provide a service to the commercial/industrial base of Tivoli, Little Island, and beyond. It will in fact be the first such provider on this side of the city. This is an extremely important plus factor in respect of taking in goods from the national agents and manufacturers.

The 4,000 sq ft building, which is in a high-profile visible site on the North Ring Primary Route, will include customer-friendly entrances and modern showroom display windows.

The business will be divided into two distinct centres - bathrooms showrooms and sales, plus a plumbing and heating materials supply shop. Both sides of the business will carry a full range of market-leading name brands, as well as the normal ancillary materials for such an enterprise.

Contact: Terry's Heating & Plumbing.

Fax: 021 381040; email: Blarneyainame.com

RECI on the Move

RECI, the Register of Electrical Contractors in Ireland, has moved to new purpose-designed premises which are located in Kimmage, Dublin 12.

Standing on approximately 2500 sq ft, the new building incorporates modern office suites, reception areas, and a state-of-the-art training centre. There is also ample parking.

Full address and contact details are:—
RECI, Unit 9, KCR Industrial Estate, Ravensdale Road, Kimmage, Dublin.
Tel: 01 - 492 9966;
Fax: 01 - 492 9983.
Email: reci@Indigo.ie
Website: www.reci.ie

TRADE NEWS

'Excel' with Franke!

Since its recent appointment as Irish distributor for Franke washroom and sanitary equipment, market penetration of the brand has risen considerably right throughout the building services sector.

Franke – a brand synonymous with superior design and quality – offers a wide range of products to the market and includes wash-hand basins, wc's, pans, shower trays, sinks, washroom equipment, troughs, hand driers, security items, etc.

Excel currently produces a range of stainless steel urinal slabs, wc's, pans, and toilet cubicles. The Franke products will be offered alongside as a complementary range to Excel's production.

There are nine separate brochures available against the entire Franke range, copies of which are available upon request. For more information:-

Contact: Paddy Carey, Brendan Byrne, or Gearóid Byrne at Excel Industries.

Tel: 01 - 820 7900; Fax: 01 - 820 4797;

eMail: excel-industries.com



Photograph shows an example from the Franke Rondo line of washroom and sanitary equipment for which Excel Industries is now the distributor throughout Ireland.

Oliver McNally – An Appreciation

It is with deepest regret that we record the sudden death of Oliver McNally after only a short illness.

Oliver joined the Domestic Heating Oil Council in April of 1996 after a distinguished career as a professional accountant. He held Senior Management positions in a number of international companies and was at one stage a Regional Chairman of the IMI in Limerick. Having retired as Financial Director of Atlantic Mills he undertook a number of consultancy assignments, as well as the role of Director of DHOC.

It is no exaggeration to say that, coming new to the industry and having spent some weeks familiarising himself with the situation, he "burst" onto the domestic heating scene in a cloud of energy. In a short two-year period he has left his mark strongly imprinted on the trade. He has developed the Council from its Dublin base to include oil distributors in Cork, Limerick and Galway, and was developing a Panel of Approved Heating Installers and Servicemen.

He has forged links with the Advertising Standards Authority, the Consumers Association, and the Office of Consumer Affairs to assure a level playing field for the private oil distributors in competition with other fuels. He also established strong links for the Council with OFTEC, FAS and the Irish Energy Centre. These are only the highlights of his achievements for the Council.

Oliver was a great colleague to work with. He was always courteous and friendly. He really listened to what he was told or asked. He made up his mind and then took action and left one confident that the job would be done, and done well. It was a pleasure to work with him.

Oliver made such an impact on those who have only known him for less than three years that it is impossible to imagine the effect his sudden death must have had on his wife Betty and his children, Brian, Jennifer, Fergus and Hugh. To them we extend our sincere sympathy.

He will be sorely missed by those associated with the Domestic Heating Oil Council and others in the domestic heating business.

May he rest in peace

M McE



European First for DIT Lecturer

Matt Russell, Faculty of Engineering, Dublin Institute of Technology, has become the first Irish person to be awarded the prestigious Euromaintenance Award. This award is granted for dedication to the art and science of maintenance and for services rendered in that field by the European Federation of National Maintenance Societies (EFNMS).

Matt was presented with the award at the European Maintenance Conference recently in Dubrovnik, Croatia. The awarding jury noted Matt's significant impact on technical education training to meet the demands of new technologies and to cope with change, and his activeness with the professional development of engineers, particularly in striving to achieve best practices in the field of maintenance. He has also demonstrated an ability to pursue many projects and activities simultaneously and his leadership skills ensure that he brings them to a successful conclusion.

Thermo Systems



DISTRIBUTORS IN IRELAND FOR:-

AAF International Air Handling and Cleanroom Equipment

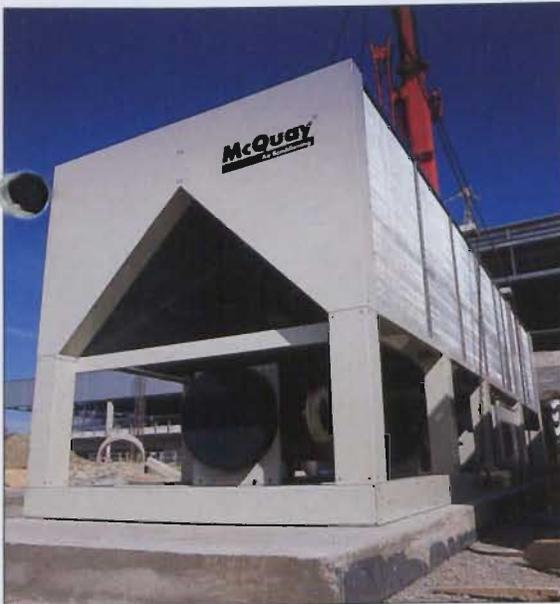
- ◆ Unique solid panel construction air handling units
- ◆ 80% more energy efficient than glass fibre panelled units
- ◆ Three times design life of steel framed units
- ◆ Fan filter units using EC motor technology
- ◆ Integrated cleanroom systems and equipment

McQuay International HVAC Chillers

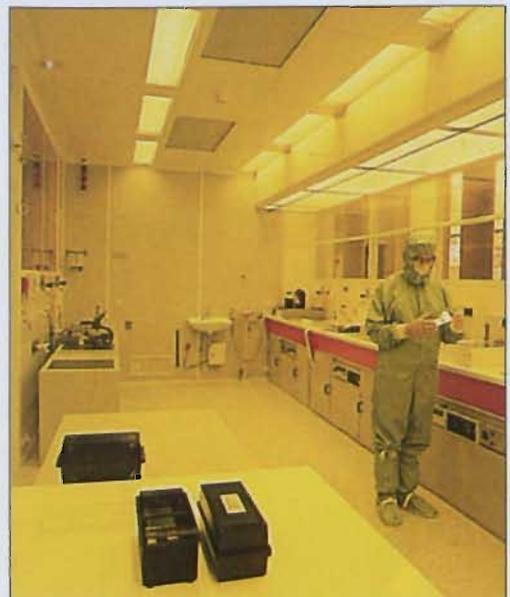
- ◆ Single chillers to 10,000 Kw
- ◆ Single Screw oil free and virtually maintenance free chillers
- ◆ Worlds most efficient reciprocating chillers
- ◆ Worlds most efficient centrifugal chillers
- ◆ Refrigerants R22, R407C, R134A, R410A



ABOVE: AAF Easdale air handling unit from Thermo Systems



ABOVE: McQuay International single screw chiller from Thermo Systems



RIGHT: AAF cleanroom equipment and systems from Thermo Systems

Reconair ...



The Next Generation!

ABOVE: Mark and Brian Cooney,
Joint Managing Directors

While Mark and Brian Cooney are indeed the "next generation" to take the helm at Reconair, they are far from inexperienced novices tentatively taking their first steps into the building services industry. Both have extensive experience of the industry at large, and Reconair in particular, having lived and breathed the business during summer holidays before joining the company full-time.

As of father Fred Cooney's official retirement earlier this year, Mark and Brian assumed the roles of Joint Managing Directors. Not that they are into titles, the formality of their positions serving only to denote that, on a day-to-day basis, Brian acts as Service Manager and Mark Contracts Manager.

"It's not about being the boss or in charge", says Mark, "it's about providing leadership and creating an environment which brings out the best in everybody. Nor are we alone in having this responsibility ... fellow-director and Service Coordinator Lorraine McGrath has been with the company from when it was first set up and her contribution is invaluable."

Brian, who has also worked outside of the business for a number of years, agrees. "We have a team of 31 committed people working here at Reconair", says Brian, "all of whom make a vital contribution to ensuring that we deliver a professional, efficient, and value-for-money service to our many customers. Obviously, quality is uppermost in this respect with Quality Coordinator Grainne Phelan keeping us on our toes and making sure we live up to our ISO 9002 accreditation".

The core business of Reconair Services is service and maintenance.

A team of dedicated, highly-qualified, and experienced service engineers are on call 24 hours a day, 365 days of the year. The company provides service and maintenance solutions across the entire spectrum of the building services industry, including air conditioning, heating, computer room close control, chillers, boilers, pumps, etc.

Industries served include commercial offices, banks, schools, the packaging industry, plastics, the pharmaceutical sector, etc. Apart from direct contracts with the clients concerned, a further endorsement of Reconair's standing is the fact that it works very closely with Irish Estates, Jones Lang Wootton and Tramtrax, the three premier property management companies in Ireland.

Sister company to Reconair Services is Reconair Engineering. Essentially, this company was established as a vehicle to handle the product-supply side of the business.

Reconair Engineering has a stable of strategically-selected air conditioning products, being an AC Premier Dealer for Mitsubishi Electric environmental control systems and principal distributor for Denco close control computer and telecommunications equipment and Defensor humidifiers and dehumidifiers.

Naturally, there is a great deal of inter-action and support between both companies, the common administrative requirements and in-house support facilities sharing highly-sophisticated computerised systems.

With such a secure base, both Reconair Services and Reconair Engineering, the next generation, are well positioned to boldly go into the future!



Vokèra Ireland - New Site Builds on Success

The official opening of Vokèra Ireland's new premises in Callan, Co Kilkenny, took place recently. *BSNews* and our photographer were there for the occasion. Here we look at the company, its background and its plans for the future.

Vokèra's new site in Ireland is the culmination of several years' success in the Irish market. The company has been distributing its full product range through all key merchant wholesalers. While the Vokèra brand name is becoming more and more established in the market, another important development is also taking place: the growth in the natural gas network in the area. This has meant that, increasingly, consumers have a wider choice when deciding on a heating system for their homes – not only what fuel, but also what type of appliance will suit their lifestyle.

Vokèra specialise in domestic gas heating, in particular system, combi and energy-saving condensing boilers. Built in Italy by manufacturing partner *laber*, who are – along with Vokèra – part of the Riello Group, the current generation of boilers are the result of in-depth research with installers to ensure that the product features included are of real benefit to both installers and end users. With an established quality product range, Vokèra's particular emphasis is on service ... with directly



Pictured at the opening of Vokera Ireland's new headquarters were:— Sheila Donovan, Commercial Director; Paddy Scriven, General Manager; Ettore Riello, the Riello Group; and Claudio R Guglielmucci, Managing Director

employed engineers available to attend to any problems the same day, or next day guaranteed.

The opening of Vokèra Ireland represents a significant investment for Vokèra. The 8,600 sq ft premises include warehousing, offices, service and spares departments, as well as dedicated training facilities. Mr Claudio R Guglielmucci, Managing Director of Vokèra, comments: "Following the excellent results we have achieved in recent years, we are delighted to be able to establish Vokèra Ireland at such an important time in the development of the market".

For the future, Vokèra sees three important elements to the development of the industry in Ireland – quality products, high customer service levels and installer training. The new product development programme ensures that quality is built in at every stage of the process, from the first ideas right through to inspecting the first boilers off the product line. The company's reputation for the highest customer service levels is set to continue as the Vokèra Ireland team expands. Installer training is offered at the Callan site, in state-of-the-art facilities that

include live workshops for practical experience.

Concludes Claudio: "With the growing natural gas network, the quality of appliances in the Vokèra range and our particular emphasis on service levels, we are ideally placed to grow the Irish market".



Exterior/Interior views of Vokèra's distribution centre in Callan, Co Kilkenny



Vokèra ... Putting the Accent on Quality

The *Vokèra* brand was established in London by Claudio R Guglielmucci in the early eighties, when he approached Italian manufacturer Beretta to produce combi boilers to his specification under his own brand name, *Vokèra*. Today, with a comprehensive range that includes system, combi and condensing boilers and water heaters, *Vokèra* has built a reputation for total commitment to quality – in both products and customer service.

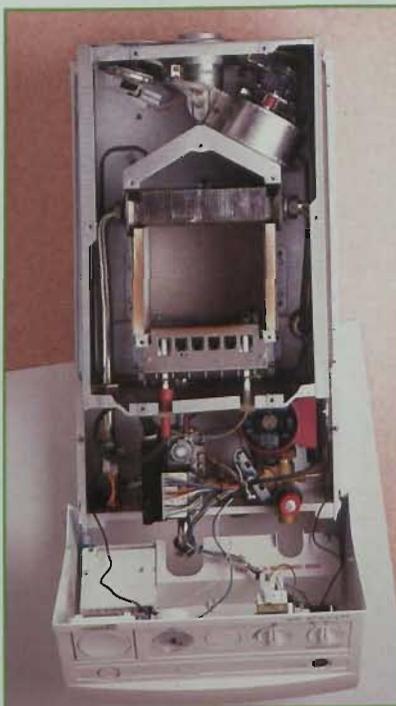
From its beginning as a small unit manned by a single representative, *Vokèra* Ireland today operates from its brand new 8,600 sq ft warehouse and distribution centre in Callan, Co Kilkenny.

Headed by General Manager Paddy Scriven, *Vokèra* Ireland distributes the entire range of *Vokèra* products to the Irish market. Customer service and back-up are delivered by *Vokèra*'s own team of directly-employed engineers.

Here we take a look at the key products in the range, their features, and some of the possible applications.

Mynute System Boiler

The *Vokèra* Mynute gives unprecedented flexibility with a choice of four models offering a range of outputs from 6.0kW (20,472 Btu/h) to 28kW (95,536 Btu/h).



Cut-away cross-section of the *Vokèra* Mynute system boiler

There is also a wide range of optional flue accessories which allow the boiler to be installed at varying lengths away from a suitable outlet, either horizontally or vertically. *Mynute* is a superbly versatile performer, ideal for a wide range of homes. With the simple addition of an indirect vented or unvented cylinder and 'Y' or 'S' plan controls, the *Mynute* can provide ample stored domestic hot water along with central heating. It can also be used for central heating only installations.

The new *Mynute* has been designed to offer complete ease of access. Behind the case is a component layout that has been meticulously planned to offer maximum convenience during installation, servicing and maintenance.

Mynute is among the smallest, fully-equipped, wall-mounted system boilers available. Each model features a built-in circulating pump, safety valve by-pass, automatic air vent, and an expansion vessel.

Q. Where can *Mynute* be located?

A. The sealed flue system allows the *Mynute* to be situated safely in almost any part of the home.

Q. What is the flue size?

A. 100mm (4in) diameter flue. The twin flue system uses 2 x 80mm diameter pipes.

Q. What flue accessories are available?

A. 90°, 45° and 100mm offset bends, as well as wall brackets, terminal guards and flat or angled roof slates.

Q. What optional time controls are available?

A. Either single channel timeclocks or 2-channel programmers. No external wiring is required with the *Vokèra* 'plug-in' controls.

Q. What type of gas is required?

A. Both mains gas and LPG models are available.

Meteor Floor Standing Boiler

The *Meteor* offers traditional "cast-iron" reliability combined with the very latest boiler technology. Available in two models, the V90 for open systems and the sealed S90 which includes pump and expansion vessel, the *Meteor* provides outputs of up to 26.1kW (89,078 Btu).

The *Meteor* achieves operating efficiencies of up to 81%, and incorporates a Lo Nox burner. A unique twin flue system allows greatly extended flue runs – the boiler will simply reduce its output automatically for runs in excess of three metres.

The *Meteor* ... combining traditional "cast-iron" reliability with the very latest in boiler technology



Linea Combi Range

The Linea Combi range offers many features to provide exceptional performance. These include:-

- ◆ A hot water pre-heat cycle;
- ◆ Advanced flame control;
- ◆ Anti-cycle device to prevent wasteful on/off firing;
- ◆ Electronic ignition;
- ◆ Built-in frost protection;

The environmentally conscious are sure to appreciate the Lo-NOx Linea Plus. Utilising the industry's very latest technology, Vokèra has produced a combi with extremely low emission levels.

The Linea's stylish and attractive case, from only 400mm wide, is one of the most compact combi boilers on the market. A versatile flueing system ensures it can be installed almost anywhere in the home.

A whole host of features ensure the Vokèra Linea is simple and straightforward to install, saving time and trouble. These include:—

- Built-in filling loop meaning pipes can be easily run through boiler for top connection;
- Automatic system by-pass for full TRV systems;

- Pre-fixing jig with the ability to pre-fill (optional kit required);
- Gas pressure and water flow rate are pre-set in production, saving commissioning time;
- Comprehensive fault diagnostics system.

The floorstanding Linea Max has been developed with the larger home in mind. By combining a 60-litre "thermal store" with normal combi operation, hot water delivery is increased dramatically. In fact Linea Max offers 55% more than an equivalent output boiler.

Linea Max incorporates all the beneficial features of the wall-hung models, Vokèra's famed "build-quality" and integrated technology ensuring service costs are kept to a minimum.



The Linea Combi boiler from Vokèra

Eclipse Condensing Boiler

The Vokèra Eclipse high-performance condensing boiler shines when it comes to unique features and benefits. As with all Vokèra boilers, tremendous levels of flexibility are in-built with the Eclipse.

Take the vast range of flue options, for instance. The standard concentric flue can be extended to a maximum of 6.45m horizontally or 7.45m vertically. Alternatively, the ingenious twin-pipe

system allows a maximum of 39m horizontally or vertically.

There is a choice of two models – the ESC (energy-saving combination) boiler providing central heating and instantaneous hot water on demand; and the ESS (energy-saving system) central heating boiler which can be installed with a traditional indirect vented or unvented hot water cylinder.

With outputs up to 26.8kW (91,467 Btu/h), the Eclipse is perfectly

equipped to meet the heating requirements of a wide variety of homes, from small flats to larger-sized houses.

The Vokèra Eclipse offers superb ease of access. Behind the attractive case, there is a component layout that has been meticulously planned to provide optimum convenience, whether during installation, servicing or maintenance.

The Eclipse features a unique control panel, replacing conventional boiler controls with a digital controlling system. This offers many advantages and benefits, including:

- ◆ Total accuracy of settings;
- ◆ Adjustment of all temperature parameters;
- ◆ Comprehensive Fault Diagnostic Programme;
- ◆ Boiler mode information;
- ◆ Fault Memory Programme.

The Eclipse also has built-in frost protection.



The Eclipse high-performance condensing boiler from Vokèra

THE SMALL BOILER THAT'S MAKING IT BIG.



The Vokèra Mynute.

For a small boiler, the Vokèra Mynute has some big advantages.

Because it's a system boiler with all the components in one case, there's no need to go to the trouble of installing expansion tanks, separate pumps and all the necessary pipework.

The circulating pump, safety valve, by-pass, automatic air vent and expansion vessel are all built in - meaning installation time is not wasted assembling separate components.

Designed for sealed systems, filled from either a direct mains connection or a tank, the Mynute is available in a wide range of outputs - from 6 to 28kW (20,472 to 95,536 Btu).

Add an unrivalled back up service and customer support, delivered by Vokèra's own team of directly employed engineers, and it's easy to see why the Mynute is making it big.

For more information about the Mynute range, send the coupon or call Vokèra Ireland sales department on 056 55055.

Please send me further details on the Vokèra Mynute range.

Name _____ Company _____

Address _____ <https://arrow.tudublin.ie/bsn/vol37/iss11/1> _____

DOI: 10.21427/D7XM7F _____ Postcode _____

Vokèra Ireland, West Court, Callan, Co. Kilkenny. Tel: 056 55055. Fax: 056 55060.



Putting the accent on quality.



presented by



IRISH ENERGY CENTRE

INDUSTRY HARNESSES ENERGY DYNAMIC

That the Irish energy sector has come of age is in no doubt. Nor can it be denied that the Energy Show, the Irish Energy Centre initiative, is the focal point and premier showcase opportunity for all that the industry has to offer.

The number of exhibitors participating in the most recent event — The Energy Show '98 — were 35% up on the previous show, with visitor numbers similarly up and standing at just over 700.

The Energy Show '98 is unique in that the combined product presentations and complementary workshops create a forum whereby all those with an interest in, or responsibility for, energy and energy-related matters come together in a very productive and fruitful manner.

The format has a particular intimacy which is unusual with such events, and one which is conducive to, and encourages, dialogue, conversation and the exchange of ideas.

Says Tom Halpin of the Irish Energy Centre. "The show surpassed all our expectations. We anticipated a positive response but were pleasantly surprised at the quality of the visitor profile. There is obviously a very pronounced and genuine

quest for information on energy and energy-saving products and technologies.

"Equally encouraging of course was the fact that the exhibitors met that need. New products and innovative solutions to all manner of energy-related problems and requirements were there in abundance".

The fact that extra space had to be provided for exhibitors and that some of the workshops had to be repeated to accommodate all the delegates bears testimony to the manner in which both elements came together.

Perhaps the only cloud on the horizon was the venue. No one could fault the Burlington Hotel for the facilities and service provided but, there is no denying that parking was a problem. Exhibitors and visitors alike did experience difficulties.

The majority of those *BSNews* spoke to indicated a strong preference for a change of venue to somewhere like the RDS for the next show. This would seem necessary in any event given that it will obviously be a much larger show because of the success of The Energy Show '98.

Safety in the Building Services Industry



This year's CIBSE seminar was held at the RDS as part of Plan Expo. The seminar, entitled "Safety in the Building Services Construction Industry" and co-organised by Jim Curley and Sean Ascough, was well attended and led to some very interesting dialogue and ideas being shared.

The speakers were Vincent McGauran from the Health & Safety Executive; Niall Harrington from Bruce Shaw Partnership; John O'Dea from Intel Ireland; and Pat Walsh from G&T Crampton. The particular emphasis of the seminar was to provide an overview of the practical and legal aspects of health and safety best practice, trends and legislation, insofar as they relate to the building services construction industry.

In general comment on site safety, Pat Walsh observed that in the frenzy to increase turnover companies were often sacrificing on safety, and even on common sense ... "Turnover is vanity, profit is sanity". Human suffering due to corners being cut on safety is not profitable in any sense of the word. A particular shortcoming in the industry's safety record is the difficulty that reputable contractors have in keeping their sub-contractors and sub-sub-contractors/suppliers in step with their rigorous safety procedures. The practice of having contracts managers from different jobs in the same company reviewing each other's work with a "fresh pair of eyes" was also a good idea.

John O'Dea from Intel gave some particularly illuminating angles on the subject when he outlined the concept of "High Performance Safety" which has been pursued during the construction, start-up and operation of the new plants in Leixlip. The success of Intel's policy was more than a vague hunch that safety was relatively good on site: rather, it was a quantifiable item ... one million manhours without a recordable injury (ie beyond first aid).

Various concepts were covered such as the essential "budget/schedule/safety triangle"; the close link between the general welfare of personnel and their proneness to accident; the positive "multiplier effect" of sharing safety responsibilities between all team members; the use of candid newsletters to tell the bare truth rather than have rumours to fester; giving adequate resources for tool box talks so that they can be made interesting and productive; "fact-finding" rather than "fault finding" in the follow up to an accident; and the effective use of information technology.

So all in all this experience has rightly wiped out any myth that the Irish people have not got it in their culture to work in a highly safe manner!



Safety in the Building Services at Plan Expo – CIBSE Chairman Jim Curley with Niall Harrington, John O'Dea, Vincent McGauran, Pat Walsh and CIBSE Vice-Chairman Sean Ascough.



Lighting Technology Update

Developments in lamps and lighting in recent times has been extremely rapid. New things seem to appear very regularly on the market, some of which over the last year or so are totally new concepts. Ted Glenny, Technical Manager, Philips Lighting UK, past Chairman of CIBSE Lighting Division and a "leading light" in CIBSE updated delegates under the headings of: developments in equipment; developments in applications; and developments in knowledge and understanding, together with a look to the future. Photograph shows Oliver Reddy with Wilf Higgins, Ted Glenny (speaker), Sean Mulcahy and Herbert Taylor.

Air Heaters

The Mark GS gas-fired suspended air heater is an all-round product. Its wide industrial usage makes it one of the top products within the Mark range, its excellent price/performance ratio makes the Mark Gas air heater above all a European product. It is exported to more than fifteen countries. Available in suspended balanced flue room sealed or conventional flue type 18 to 98kW.



Ecofan

Winter units which on the one hand ensure a temperature gradient which is as low as possible and on the other hand



are promptly able to extract, (summer/winter unit) should working conditions make this necessary

Tanner

The Mark Tanner is an indirect water, steam or thermal oil fueled air heater. Its design and the use of first class components makes it a popular product with a big future. Many accessories complete the Tanner range such as fresh air or recirculation components as optional. Low pressure hot water unit air heaters from 8 to 126 kW.



Calflo

The Mark Calflo make up air heater is a solution in all situations in which large quantities of (polluted) air are extracted,



which is the case in spraying rooms, welding halls, machine factories and the plastics industry. The fully modulating burner makes an optimum balance of required heat and ventilation possible.

Föhn

The Mark Föhn has been a unique product for years. Its fully dismantlable construction means that the Mark Föhn can be installed in situations in which ready-assembled products cannot be installed. Combined with its superior performance, this makes the Föhn widely applicable. Thus the Föhn is often installed in commercial and industrial halls, government buildings and churches. Oil or gas-fired high output cabinet air heaters 50-400 kW.



Infra

As a black tube radiator, the Mark Infra 13-38 can be installed for space as well as local heating. It emits energy in the form of radiant heat which has the advantage of ensuring a pleasant, comfortable surrounding temperature. Suspended radiant tube heaters 13-38kW output. Conventional or balanced flue models.

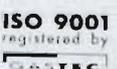


Mark Eire bv, Coolea, Macroom, Co Cork. Tel: 026 - 45334; Fax: 026 - 45383.

Dublin: Tel: 01 - 668 0510; Fax: 01 - 668 0510.

Mark bv, Beneden, Verlaat 87-89, 9645 BM, Veendam, Netherlands.

Tel: +31 (0) 598 619600; Fax: +31 (0) 598 624584



Jacob Presents 1998 National Boiler Awards

Joe Jacob, TD, Minister of State at the Department of Public Enterprise, pointed out that operators of boilers could play a key role in energy conservation and efficiency when speaking at the presentation of the 1998 National Boiler Awards in the Burlington Hotel recently. "In this context, companies can save money, jobs can be secured and increased, and we can help to save our environment", said the Minister.

Irish Energy Centre, and Virgil Bolger in particular, for taking this initiative. I would also like to thank the sponsors of the Awards, Royal and Sun Alliance".

The growing popularity and importance of the National Boiler Awards is clear from the increased number of entries. Nominations have increased from 101 in 1996 to 220 in 1998. This year the competition was modified to broaden its appeal and ensure that the



Commended: Boilerhouse of the Year – Joe Jacob, TD, Minister of State at the Department of Public Enterprise, and Mike Heard, Fruit of the Loom.

industrial and commercial giants were not overpowering the smaller users. The introduction of an Achievement Award for the most improved boiler house was also a welcome addition.

The aim of the National Boiler Awards is to create a greater awareness and appreciation of the key role that boilers and the people who operate, manage and service them play in contributing to the success of their business. For individual companies and employers, realising conservation and efficiency potential can make



Winners: Achievement Award – George Rigby, Deputy General Manager, Royal Sun & Alliance with Ben Noonan, Cadbury's (Ireland); Joe Jacob, TD, Minister of State at the Department of Public Enterprise; and Con Lynch, Cadbury's (Ireland).

"Irish industry spends almost £1 billion on energy each year. It is estimated, however, that efficient energy management – including management of boilers – could yield savings of up to 20% for companies. This year alone savings of over £1.16 million on a £57 million fuel bill were achieved by those companies who participated in the boiler competition and who exercised responsible energy management", stressed Mr Jacob.

This is the third year of these awards" he went on, "and I would like to take this opportunity to commend the



Winner: Service Company of the Year – George Rigby, Deputy General Manager, Royal & Sun Alliance with Andrew Walker, Boilerhouse Services with Joe Jacob, TD, Minister of State at the Department of Public Enterprise, and Robert Moore, Boilerhouse Services.

existing jobs more secure, enhance competitiveness and may contribute to an increase in employment.

While capital investment may be required, there is also substantial scope for energy cost savings which can be achieved through improved housekeeping practices alone. In the vast majority of cases, these savings can be achieved through routine and remedial maintenance actions, and improved boiler house practices.



Highly Commended: Service Company of the Year – James Brady, BetzDearborn, Ireland with Joe Jacob, TD, Minister of State at the Department of Public Enterprise; and Les Kelly, BetzDearborn Ireland.



Commended: Small Commercial Boilerhouse – Con O'Donnell, Dungloe Hospital with Joe Jacob, TD, Minister of State at the Department of Public Enterprise; and Charles McGowan, Dungloe Hospital.

Commended: Small Industrial Boilerhouse – Joe Jacob, TD, Minister of State at the Department of Public Enterprise with Eugene O'Neill, Sport Socks Company.



Award Winners

Large Industrial Boilerhouse of the Year

Joint Winner: Great Northern Brewery, Dundalk, Co Louth
Joint Winner: Abbot Ireland, Cootehill, Co Cavan
Highly Commended: Bailie Foods, Lear Bailieboro, Co Cavan
Commended: Baxter Healthcare, Castlebar, Co Mayo

Small Industrial Boilerhouse of the Year

Winner: Rye Valley Foods, Carrickmacross, Co Monaghan
Highly Commended: Sport Socks Company (Irl) Ltd, Caherciveen, Co Kerry
Commended: Forest Labs Ltd, Clonshaugh Industrial Estate, Dublin 17

Large Commercial Boilerhouse of the Year

Winner: St James's Hospital, James's Street, Dublin 8
Highly Commended: Beaumont Hospital, Beaumont, Dublin 5
Commended: University College Cork, College Road, Cork

Small Commercial Boilerhouse of the Year

Winner: Abbot Ireland Diagnostics, Finisklin Industrial Estate, Sligo
Highly Commended: Dungloe District Hospital Dungloe, Co Donegal
Commended: Siemens Nixdorf, Fitzwilliam Court, Dublin 2

Service Company of the Year

Winner: Boilerhouse Services, Lisburn, Co Antrim
Highly Commended: BetzDearborn Ireland Ltd, Harold's Cross, Dublin 6W
Commended: Saacke Ireland Ltd, Youghal, Co Cork

Achievement Award

Winner: Cadbury's (Ireland) Ltd, Rathmore, Co Kerry

Boilerperson of the Year

Winner: Robert Smyth, Bailie Foods, Bailieboro, Co Cavan
Highly Commended: Raymond Boyle, Abbot Ireland, Cootehill, Co Cavan
Commended: Mike Heard, Fruit of the Loom, Buncrana, Co Donegal



Winner: National Award for Energy Management – Joe Jacob, TD, Minister of State at the Department of Public Enterprise with Robert Smyth, who won Boilerperson of the Year Award, and Virgil Bolger, Irish Energy Centre.

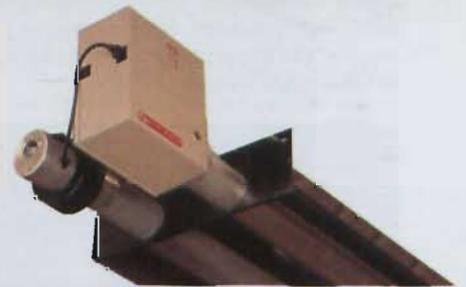
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BSNEWS REPORT



Commended: Service Company of the Year – Joe Jacob, TD, Minister of State at the Department of Public Enterprise with Richard Sheehan, Saacke Ireland Ltd.



Winner: Large Commercial Boilerhouse – Eric Kealy, St James's Hospital with Joe Jacob, TD, Minister of State at the Department of Public Enterprise; and Dermot Parnell, St James's Hospital.



Commended: Large Commercial Boilerhouse – Joe Jacob, TD, Minister of State at the Department of Public Enterprise with Kevin O'Regan, University College Cork.



Commended: Small Commercial Boilerhouse – Joe Jacob, TD, Minister of State at the Department of Public Enterprise with Michael Conroy, Abbot Ireland Diagnostics.



Highly Commended: Large Commercial Boilerhouse – Alex Pert, Beaumont Hospital with Joe Jacob, TD, Minister of State at the Department of Public Enterprise; and Ray Poole, Beaumont Hospital.



Commended: Large Industrial Boilerhouse – Paul McManus, Baxter Healthcare with Joe Jacob, TD, Minister of State at the Department of Public Enterprise and Ciaran Geraghty, Baxter Healthcare.



Commended: Small Commercial Boilerhouse – Joe Jacob, TD, Minister of State at the Department of Public Enterprise with Peadar Mulligan, Siemens Nixdorf.



Joint Winner: Large Industrial Boilerhouse – Tommy McKeon, Abbot Ireland with Joe Jacob, TD, Minister of State at the Department of Public Enterprise; Eamon Lennon, Abbot Ireland; and Raymond Boyle, Abbot Ireland, who also won an award for energy management.



Joint Winner: Large Industrial Boilerhouse – Brian Byrne, Great Northern Brewery with Joe Jacob, TD, Minister of State at the Department of Public Enterprise, and Peter McCarthy, Great Northern Brewery.

National Boiler Awards 1999

Details of the National Boiler Awards for 1999 have also been announced, a notable feature being the inclusion of an additional category – Boilerhouse CHP System. Closing date for submission of nominations is 26 February, 1999.

A Nomination Form is included as an insert within this issue of BSNews.

BTU at Royal Dublin Golf Club

Sponsored by G T Phelan Ltd

Overall winner: Dave Harris, 34pts

Class 1: Winner – Aubrey Moriarty, 32pts
Runner up – Michael Carroll, 31pts
3rd: Ger Hutchinson, 31pts

Class 2: Winner: Tony Gillen, 33pts
Runner-up: Gerry Tobin, 32pts
3rd – Sean Farrell, 32pts

Class 3: Winner – David Sampson, 33pts
Runner-up – Dave Cranston, 31pts
3rd – Michael Murphy, 30pts

Front Nine: George Carleton, 21pts
Runner-up: John Hunter, 19pts

Back Nine: Tony Delaney, 17pts
Runner-up: Gerry Phelan, 19pts

Visitors: Winner: Paddy Horgan, 35pts
Runner-up: Joe Hogan, 31pts

Matchplay winner 1998 – John Lavelle
Runner-up: Ger Hutchinson

Matchplay plate winner: Gerry Phelan
Golfer of the year: Tony Delaney



BTU Captain Brendan Bracken with Paddy Horgan, winner of the visitors prize, and Gerry Phelan, GT Phelan, who sponsored the outing.



Overall winner Dave Harris receiving his prize from BTU Captain Brendan Bracken.



Colin Wilson, Ashworth Frazer with BTU Captain Brendan Bracken.



Golfer of the year Tony Delaney receiving the winner's prize (Back nine) from BTU Captain Brendan Bracken.

The Ventilation & Air Conditioning Association of Ireland (V&ACAI)

The Ventilation & Air Conditioning Association of Ireland (V&ACAI) is a new initiative spearheaded by individuals and companies engaged in the design, manufacture, sale, service and distribution of ventilation and air conditioning products and systems. Its primary objective is to increase the standard of ventilation and air conditioning design and installation in Ireland by way of adherence to a specially-devised Code of Ethics which takes account of all relevant Regulations and guidelines, quality of service, professionalism, and regulatory health requirements.

Membership is open to all those engaged in the ventilation and air conditioning sector who agree to abide by the Code of Ethics, and who support the objectives which include:—

OBJECTIVES

- (1) Increase the standard of ventilation and air conditioning design and installation;
- (2) Provide a bona fide register of competent manufacturers, distributors and contractors;
- (3) Raise the standard of workmanship;
- (4) Raise the awareness of the standards required by different regulatory authorities;
- (5) Provide a means of communication within the industry;
- (6) Provide a means and forum to convey and discuss new legislative changes;
- (7) Provide peace of mind to consulting engineers, architects, specifiers and end-users.

The V&ACAI is a non-profit organisation but obviously requires funding to carry out the mentioned objectives. Hence the membership fees have been set as follows:—

MEMBERSHIP FEES

Company Membership	£200
Contractor Membership**	£150
Individual Membership**	£100
Associate Membership	£100

** If an individual or a contractor is paid up member of RECI or the AECI then the membership fee is £100.

HOW TO APPLY FOR MEMBERSHIP

If you wish to apply for membership of the Ventilation & Air Conditioning Association of Ireland please complete the form opposite and return to: Irish Ventilation & Air Conditioning Association of Ireland, c/o Pressline Ltd, Carraig Court, George's Avenue, Blackrock, Co Dublin.

Tel: 01 - 278 4132; Fax: 01 - 288 6966.

Published by ARROW@TU Dublin, 1998

Company Name: _____

Address: _____

Contact: _____

Company Registration No: _____

VAT No: _____

Tel: _____

Fax: _____

Mobile: _____

Email: _____

Years in Business: _____

Type of Business: _____

No. of Employees: 1 -- 10

10 -- 20

20 -- 50

Ins. Bond No: _____

Reference (will be required if less than three years in business)

IDHE NEWS

The annual IDHE Seminar took place in conjunction with Plan Expo '98 on Friday, 6 November 1998.

The Guest Chairman for the event was John Duignan, FIDHE, with Jim Hamilton, Chairman, IDHE, also officiating. The response and attendance was excellent.

Kit, which will identify acidity, alkalinity, iron, copper, chloride and inhibitor strength in systems which will engineer the solution to a problem.

On more difficult or seemingly intractable problems with corrosion debris, a non-corrosive cleansing agent has been developed and can be

driven by fuel suppliers insistence on adherence to standards and making individuals accountable for their actions. Other sections of the construction industry could take a lead from this simple approach.

The HSS paper was augmented with very good documentation supplied by the Health & Safety Authority and the IDHE thanks Mr John Moran, Information Manager, Health & Safety Authority, for his assistance on the day.

Concluding the proceedings, IDHE Students '97/'98 were presented with their Diploma's from DIT by Seamus Murrán on the DIT Skills Demonstration Stand at Plan Expo '98. The students were also presented with IDHE membership certificates by Jim Hamilton, IDHE Chairman.

The post-seminar refreshments were sponsored by IDHE and provided an opportunity to discuss the various topics, renew old friendships, and meet new members.

The seminar was an outstanding success and a good evening was had by all who stayed at the reception.



John Smart, Institute of Plumbing and Jimmy Hamilton, IDHE Chairman (left) with the students who were presented with DIT Diplomas at Plan Expo. On the extreme right is Seamus Murrán, DIT

The theme for the papers delivered was Future Opportunities. It was a chance to look forward and grasp new techniques and operational procedures in line with best international practice.

The first paper was delivered by John Lane, Senior Chemist, BetzDearborn Ltd, assisted by his colleague Mike Knight. The paper took the audience through the chemistry of corrosion in heating systems, the metallurgy of dissimilar metals normally used in common central heating systems, and the associated problems that will occur.

The need to avoid problems of the ingress of oxygen by either positive or negative pressures still needs careful planning at design stages, whether the system is new or a retro fit.

Chemical treatments will not solve inherent mechanical problems in systems and these problems need to be addressed at initial stages of installation.

To identify the likely problems common in systems, BetzDearborn Ltd has developed a Water Analysis Test

introduced to the system by means of a purpose-built power flushing unit, which will take the drudgery out of removing radiators.

The second paper was delivered by Liam O'hAmhluain of L O'hAmhluain Consultants, on Health and Safety Statements. Liam is a foremost consultant to various government-sponsored bodies and represents Ireland at EU level on standards.

The paper highlighted the need to prepare Health & Safety Statements (HSS) that identify hazards, and a certified approach in communicating this information to persons engaged in the business.

HSS are no longer a "nice-to-know-thing" that others should have, or that one should pay lip service to. There is now a body of legislation on statute and it is a criminal offence not to implement procedures to avoid hazards in the workplace.

The heating industry is one of the few industries with a good record in safety, probably due to the nature of work in dealing with fuels which keep the curious away from the industry and is

Below: Liam O'hAmhluain of L O'hAmhluain Consultants, delivering his paper on health & safety statements





FOR THE

THE NEW TRV 2-WAY FROM MYSON HEATING CONTROLS HAS TAKEN THE CENTRAL HEATING INDUSTRY BY STORM. IN JUST A FEW MONTHS, SALES HAVE MORE THAN DOUBLED AND NO WONDER.

TRV 2-WAY

THE MYSON 2-WAY IS THE GENUINE ARTICLE. YOU CAN FIT IT ON THE FLOW OR RETURN RADIATOR TAPPING, WITH WATER FLOW IN EITHER DIRECTION.

THE ONLY

WHAT'S MORE, THE MYSON 2-WAY COMES IN A WIDE RANGE OF SIZES, WITH ALL THE ACCESSORIES YOU NEED. SO NEXT TIME YOU FIT A TRV, DON'T SETTLE FOR SECOND BEST. FIT THE MYSON 2-WAY - EVERYONE ELSE IS!

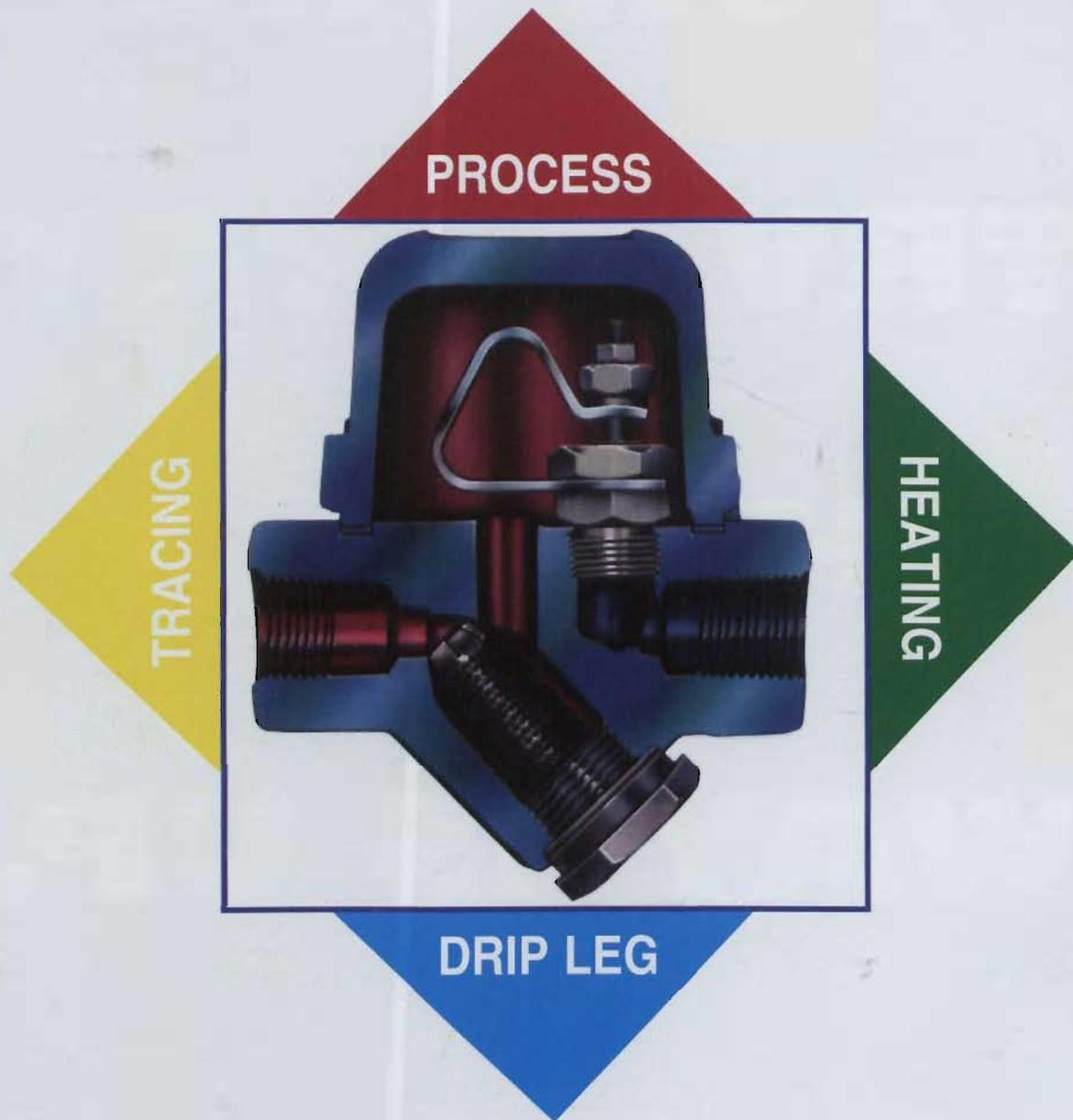
WAY IS UP.





BESTOBELL STEAM

Steam Traps and Steam Specialties



Inside the Bestobell Steam Trap



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