

10-1-1998

BS News

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BSNews

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BSNews*

MECHANICAL & ELECTRICAL
BUILDING SERVICES

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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.

COVER:

John Sampson, Managing Director,
J J Sampson & Son Ltd with His Excellency, the
Ambassador of the Republic of Ireland, 1998
Published by ARROW@TU Dublin, 1998
Federspiel and Hans Kirk, Executive Vice-
President, Danfoss

OPINION

A Time To Reflect ...

At a time when the construction industry is booming and those within the building services sector are reaping substantial benefits, it's perhaps appropriate to reflect on times past, current trends, and on what the future holds.

Ireland's building services sector has always featured larger-than-life characters who, in their own particular way, have had a major influence on the business. This month two individuals — Sean Mulcahy and Fred Cooney — were justifiably singled out for special attention (see Page 2 and Page 23).

Looking to the present, the business has never been more professional in its approach. Certification and compliance with regulatory requirements are now eagerly sought out, whether it be in respect of a product (see Page 6) or the quality of service delivered (see Page 16).

Such is the confidence of individual companies that they are going to great lengths to present themselves to as many potential customers as possible. This is being done by participation at major exhibitions (see Page 4 and Page 24) and roadshow events (see Page 3).

The same professionalism applies when companies are preparing for the future. Development and expansion plans are now commonplace, with the appropriate management structures in place to achieve the goals being set (see Page 15).

And where would the building services sector be without the social side of the business? Mixing business with pleasure is possible in some instances (see Page 7 and Page 21).

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Sean Mulcahy Honoured by RIAI

Taken as an architect so often over the years, Sean Mulcahy has recently been elected as Honorary Member of the Royal Institute of Architects of Ireland – “An honour I confess I aspired to but dared not expect”, says Sean.

Sean has had an illustrious career over the last 50 years, figuring prominently not just within building services, but across the entire construction industry. The year after he graduated with a degree in engineering from University College Dublin, Sean was engaged in 1948 by the M&E Consultancy firm of Jorgen Varming & Co to work on the Dublin Central Bus Station (Busaras). By 1950 he had become a partner in the Dublin Practice.

Later in the 1950s, sister Varming practices were set up in Belfast, London and Edinburgh to where Sean “commuted” for 25 years. He recalls particularly, among so many major projects, TCD Library Dublin; St Thomas Hospital, London; Ninewells

Hospital Dundee; and the Frei University Berlin (with special interest).

In addition to the building consultancy projects, Sean has always been very active in conference and education areas,

writing and lecturing, especially at TCD and the York Institute. In the 1970s he convened the Servicon Design Team that won the Central Bank Competition to design a series of Irish banknotes. He was project manager for the Anna Livia

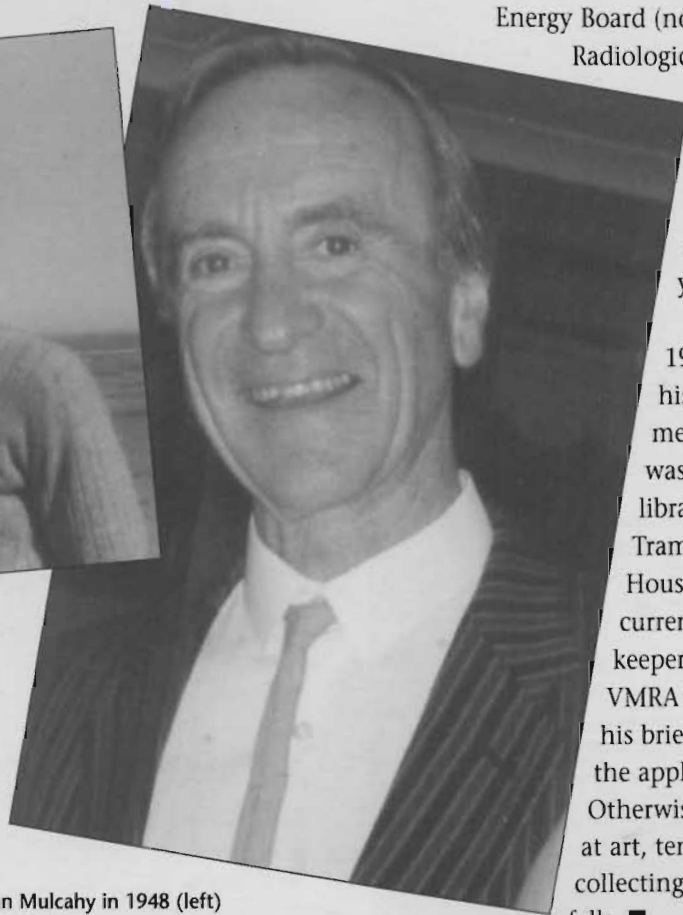
Fountain in O’Connell Street, and his entry was short-listed for the Dublin Airport Roundabout Sculpture Competition.

Apart from his roles as Chairman and President of CIBSE and ACEI, he was Chairman of the Nuclear Energy Board (now the Radiological Protection

Institute of Ireland) for eight years.

Since 1990 until his retirement, Sean was VMRA librarian at Tramway House. His current role is keeper of the VMRA orchard, his brief – “to get the apples eaten”. Otherwise he plays at art, tennis and collecting waterfalls. ■

**“An honour I confess I
aspired to, but dared
not expect”**



Sean Mulcahy in 1948 (left)
and as he is in 1998 (right).

York Stratochiller Roadshow

To mark the introduction of York ACR's Stratochiller series, a specially-adapted 40ft container truck is currently conducting a 25-venue, European-wide tour taking in all of Europe.

The roadshow commenced in Dublin last month with architects, consultants, contractors and other industry personnel availing of the opportunity to view the Stratochiller range of air cooled chillers with screw compressors first hand.

York personnel from the UK and Dublin offices were on hand to discuss the Stratochiller series in depth, and to explain the many benefits offered such as environmental compatability, quiet operation, high coefficient of performance, efficient part-load operation, wide ambient operating range and user-friendly microprocessor control.

Full technical details will appear in the November issue of BSNews.



Sarah O'Connell, Marketing Engineer, York International (UK) with Len Boosey, Marketing Services Manager, York International (UK); and Philip McEvitt, Air Conditioning Technology Ltd



The specially-adapted, walk-in, 40ft container which houses a full working demonstration set-up of York ACR's new Stratochiller series.



Len Boosey, Marketing Services Manager, York International (UK) with Pat Byrne, General Manager, York ACR, Dublin; and Sarah O'Connell, Marketing Engineer, York International (UK). They are pictured announcing details of the "Guess The Mileage" holiday competition which coincides with the European roadshow launch of the company's new Stratochiller series.



Andy Green, Applied Sales Engineer with John Brophy, Winthrop; Sarah O'Connell, York International (UK); and Anne Dooley, also of Winthrop.



A visitor to the Dublin venue on the roadshow series getting a product demonstration from Andy Green, Applied Sales Engineer, York ACR, Dublin

Building Services at Plan Expo to Benefit from North/South Construction Skills Demonstrations

The Plan Expo "North/South Construction Skills Demonstrations" is a fresh initiative jointly devised by the organisers of Plan Expo, Dublin Institute of Technology Dublin, Belfast Institute, Belfast, the Construction Industry Training Board (NI), and the Northern Ireland Training & Employment Agency.

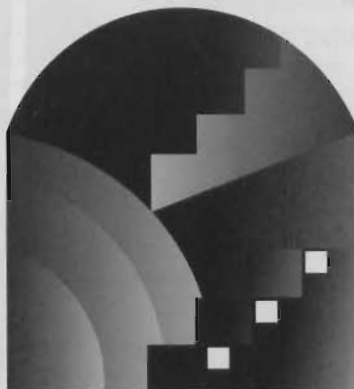
This new concept was devised to encourage and develop social and cultural understanding – including skills transfer – among young craftspersons from a broad range of backgrounds, North and South.

To further encourage the interactive element all the participants, from both sides of the Border, will share the same accommodation for the Plan Expo week, along with meals, social outings, factory visits, etc.

Building Services at Plan Expo

This new initiative is timely in that it coincides with the inclusion of a special dedicated Building Services section at Plan Expo. This is strategically located around the heating and plumbing skills demonstrations area which will feature a diverse cross-section of building services related products and materials.

Among those exhibiting within



PLAN EXPO

Architectural, Construction, Building Services & Interior Design Solutions

the Building Services section at Plan Expo, including those who have kindly donated product for the demonstrations, are:— Wavin, Sanbra Fyffe, Shires, Lycris Byrne, BSS, RT Large, Vokera, Miltown Gas, Unipipe, Barlo, Bell Fireplaces, MFP Sales, Renson, David Robbins Underfloor Heating, Glenco, Keston Heating Products, and the Constructive Ideas From Northern Ireland group stand.

VENUE:

RDS, Main Hall Complex

DATES:

Thursday, 5th November

Friday, 6th November

Saturday, 7th November

TICKET HOTLINE

Tel: 01 - 295 8181

Technical programme – skills transfer

A total of 36 participants will be involved, 18 from the Republic of Ireland and 18 from Northern Ireland. To promote the sharing of technical skills, and encourage social and cultural interaction, they will be divided into 18 teams of two, made up of an individual from the North and the South.

Each team will participate side by side in a joint skills demonstration across the following disciplines:

- ☐ Brickwork
- ☐ Heating
- ☐ Plumbing
- ☐ Joinery
- ☐ Painting
- ☐ Plasterwork

Social/cultural programme

Apart from the exchange of technical skills, a key objective of the exercise is to promote cultural and social interaction among people from different backgrounds. Consequently, a social/cultural programme is also planned, including a reception at the Mansion House, visits to places of interest, factory visits, meals, informal social gatherings, and a closing ceremony. ■

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ENERGY SAVING

ProPex Pipe Awarded Agrément Board Certification

ProPex pipe — which is manufactured by Hewing GmbH of Germany and distributed and marketed in Ireland by Hevac Ltd — has just been awarded full certification by the Irish Agrément Board (Certification No: 98/0099).

Hewing GmbH is the largest manufacturer of Pex pipe in Europe and has achieved every possible DIN Standard and accreditation for quality, including Environmental certification.

The polyethylene (PE) used by Hewing to manufacture ProPex is a thermoresistant material with high molecular weight and high density which never reacts aggressively in the natural cycle and also offers many options for recycling.

The finished polyethylene pipe is physically cross-linked in a separate step with the aid of electron beams in a special cross-linking device. This means that **no chemicals** need to be added to the pipe to achieve cross-linking.

Special production know-how and state-of-the-art tool technology guarantee a uniform wall thickness and extremely smooth interior pipe walls. During the extruding and calibration process, wall-thickness tolerances are constantly monitored and minimised by computer technology.

There is a **permanent leak test** which is performed over the entire pipe length and thus guarantees full safety.

ProPex pipes take into account the nature of water: they remain resilient at low temperatures, are stable in form under heat, sound proof, stress crack-resistant, easy to fit, smooth as glass, resistant against chemicals, corrosion-resistant, immune to incrustations, pH-neutral and RAL tested.

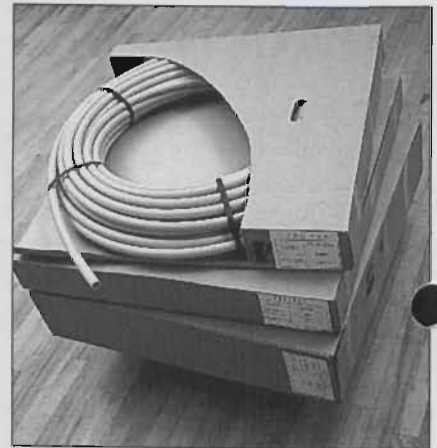
It is stabilised to withstand limited exposure to ultraviolet radiation or sunlight but is not designed for permanent direct exposure.

To maintain ProPex Pipe in the best possible condition for use, it may be stored either horizontally or vertically but should be stored out of direct sunlight.

All ProPex pipe is supplied in protective cardboard boxes/or tubes for ease of storage and use. The pipe lengths should be supported over their length to avoid sagging. The pipe should be similarly supported in transit and protected from abrasion and crushing.

Thanks to their low rigidity, ProPex pipes are easy to handle and install. No expensive moulded parts are needed to align them with structural geometries as long as the minimum bend radius is not exceeded. For free bends, it totals five times the pipe's outer diameter, while smaller bend radii are possible with bend guides.

The materials used in the ProPex pipe will not be adversely affected by accidental contact with linseed oil-based sealing compounds, or soldering flux, although these materials are not normally used in making joints to the pipe.



ProPex pipes are predestined to play an important part in today's domestic and commercial plumbing. Apart from fulfilling a long list of DIN norms, they are supremely suited to qualified civil engineering solutions: flexibility, energy-savings, rupture stress resistance, oxygen density and low light sensitivity, all the way to optimum ease in installation and handling

Nor will the use of ProPex pipe in domestic plumbing installations give rise to any degradation in water quality (Ref. SI 81/1988) when installed in accordance with the manufacturer's instructions.

ProPex pipes are fit for any tender and pave the way to custom-made plumbing solutions. Quality and versatility offer a real advantage, from the drawing board all the way to on-site handling. Today, across Europe, many tenders call for Pex pipe as manufactured by Hewing as part of the complete solution — not just in the domestic field, but also for high rise buildings.

For central heating and underfloor heating applications in accordance with good practice, it is recommended that a corrosion-inhibitor is used and its concentration checked and maintained.

As with all plumbing and heating systems, the control fittings, ie, thermostatic radiator valves, may require replacement within the lifetime of the ProPex pipe.

Copies of the AIB Certificate are available from Hevac. Contact: Declan Kissane,

Colour: Beige			
Nominal diameter:	1/2"	3/4"	1"
Outside dia. mm:	14.63	20.98	27.33
Wall thickness mm:	1.65	2.05	2.6
Standard coils: m	100	50	50
Standard lengths: m	6	6	6
ANCILLARY ITEMS:			
Compression fittings to IS 239 : 1987			
Standard pipe clips			
Standard trunking systems			

'Mr Slim' Magic at Druids Glen

Participants in this year's Mitsubishi Electric Mr Slim Team Trophy event at Druid's Glen last month experienced first hand the trials and tribulations faced by the world's golfing elite earlier this year in the Murphy's Irish Open.

While the course was in excellent condition and all enjoyed the experience, the general consensus was that it was a challenging day out.

This annual event for Mitsubishi Electric's AC Division dealers, guests and friends, is now in its eighth year, previous golf courses played including Killeen in Killarney, which marked the inaugural outing; Tralee; Galway Bay; Portmarnock Links; Mount Juliet; and Royal Dublin.

A total of 20 teams of four — made up of individuals drawn from all 32 counties in Ireland —

participated in the competition. Among them were a number of very special guests who had travelled from afar, not least being Mr Ryo Kanai, President of Mitsubishi Electric's air conditioning business in Europe, North Africa and the Middle East.

On the day competition for the premier award, the Mr Slim Trophy, proved to be exceptionally close with Thompson Air Systems just pipping Glowtherm with a score of 84pts on the B9.

Third place went to O'Neill



Team Glowtherm, who were narrowly beaten into second place.



Mr Ryo Kanai, President Mitsubishi Electric Air Conditioning in Europe, North Africa and the Middle East.



The victorious Thompson Air Systems Team who were overall winners.

Refrigeration on 81pts while Reconair took fourth place with 78pts.

Full team details are as follows:

Thompson Air Systems – Lar Thompson, John Moran, Frank Kelleher and Finbar Gannon;

Glowtherm – Shay Kearney, Tom Collins, Sean Hyland and Sean Carroll;

O'Neill Refrigeration – Oliver O'Neill, Robert O'Neill, Colin Devin and Colm Craven;

Reconair – Tom Marren, Joe Weafer, Shane Murphy and Pat Gormley. ■



Team Reconair who came fourth.



Team O'Neill Refrigeration who took third place. They are pictured with Mr Ryo Kanai, President Mitsubishi Electric Air Conditioning in Europe, North Africa and the Middle East (2nd left) and Mike Sheehan, Manager, Mitsubishi Electric Air Conditioning Division (right).



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- ◆ Shower-sets
- ◆ Showerhoses
- ◆ Bathroom accessories



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Franke Appoints Excel Industries

Excel Industries has recently been appointed the Irish distributor for Franke washroom and sanitary equipment.

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

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



Above: An example from the Franke Rondo line of washroom and sanitary equipment for which Excel Industries is now the distributor throughout Ireland.

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

Black Teknigas – Clarification

Following the article and advertisement in the September issue of BSNews, we have been asked to clarify the situation in relation to Department of Education "approval" for the product.

As the Department is not in a position to approve any

manufacturer's equipment, the article should have read: "Black Teknigas equipment is suitable for location in a classroom environment".

For further clarification contact Alan Seery, Heatequip. Tel: 01 - 451 9711.

T R A D E N E W S

Panasonic – for Cleaner, Fresher Air



Air quality is a key to comfort. Panasonic's ECO inverter features an advanced air purifying and deodourising function that gives clean, fresh, high-quality air. With Panasonic, there's no unpleasant odour when the unit starts up. That's because the fan remains off momentarily, while the source of the odour inside the air conditioner is suppressed. The unit must be in cool or dry mode and the fan speed must be set to automatic.

Contact: Vincent Mahony, Walkair. Tel: 01 - 456 8070.

IDHE Heatequip Seminar

The IDHE 98/99 season of Continuing Professional Development (CPD) began on 22 September 1998 at IEI Clyde Road, Dublin 4 (see also page 16). The inaugural CPD lectures were sponsored by Heatequip Ltd and Malvern Boilers Ltd. There was a good attendance of IDHE members and this was an interesting and informative lecture. Clive Perry, Managing Director and Peter Bellamy, Technical Director, Malvern Boilers, took the audience through their extensive condensing boiler range in a very straightforward and direct way in line with industry hands-on approach.

Heatequip Ltd was represented by Alan Seery, Noel Branigan, Billy Branigan and Kevin Shanahan.

The questions from the floor were responded to by Peter Bellamy in excellent fashion.

The second CPD lecture of the evening (also sponsored by Heatequip) was on the new subject of IS 813, Annex J. This is the requirement under the standard for supervised safety devices on gas installations in educational and other training establishments and should be used on all new and upgrading contracts in this area.

Jimmy Hamilton, Chairman IDHE, was happy with the response from members and thanked Heatequip for their support.

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'Irish Size' is the specifically Irish version of the truly original Yorkshire fitting, which was developed way back in 1934, almost 50 years ahead of our nearest competition!

With such a pedigree, little wonder it's the number one integral solder ring fitting in the world today.

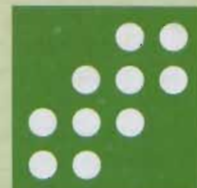
Simplicity itself to install, and giving neat and utterly reliable joints, every item in the Yorkshire 'Irish' range is covered by a no-quibble, 25 year product guarantee.

For further information, please contact:

Irish Metal Industries, Unit 25 Stillorgan Industrial Park, Blackrock, County Dublin.

Telephone 01 295 2344/01 295 2137. Facsimile: 01 295 2163.

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Getting to Know You!



Pictured in Dublin recently to gain first-hand knowledge of the Irish marketplace, visit a number of sites, and meet personnel within the company's City West-based Irish headquarters were: Alan Turbard, Managing Director, York International UK (second left); and Jack Scott, Vice-President, European Operations (right). Also in the photograph are Pat Byrne, General Manager (left) and Philip Masterson, Service Manager, both of York ACR, Dublin.

Crystal Air Clear-Cut Objective

Crystal Air Ltd was formed in 1997 by Domnick Ward and David O'Brien to "increase service with high-standard quality installations, and second to none after-sales backup", with Ireland's greatly expanding air conditioning sector.

Crystal Air offers sales, design, installation, service and maintenance contracts, which are all executed by highly-trained staff.

Crystal Air commenced business as a dealer for the Polar Air range of split systems, including the new Osaka cassette. Shortly after it also took on Daikin. This was very attractive to both David and Domnick as they have a combined knowledge of 15 years with the Daikin range of equipment. The full range of Daikin products are now available through Crystal Air as part of their authorised dealer arrangement with the main distributors in Ireland, Coolair.

"Commitment to projects and meeting hand-over dates are now more important than ever", says Domnick. With David's many years of valuable experience, both in Ireland and in America and Russia, Crystal Air provides a winning combination for the complete package that mechanical contractors are now looking for.

Cork Plumbing & Heating

The Cork Plumbing & Heating Contractors Association of the CIF recently-produced a colour brochure, designed to inform consumers of the benefits of employing CIF members.

Dan Wallace, TD, Minister of State at the Department of the Environment and Local Government, launched the brochure at a function which was held in Jurys Hotel, Cork. Speaking at the launch, the Minister congratulated the Association on its "very innovative approach".

"The fundamental priority for new house purchasers and existing householders is to ensure that plumbing and heating systems are installed by competent contractors, employing staff who are fully trained, and who insure that best safety practice is followed. I am confident that this brochure will be welcomed by householders seeking quality assurance for their central heating and plumbing systems", the Minister said.

Also speaking at the function, Michael Daly, Chairman Cork Branch CIF, noted the active contribution by the Plumbing & Heating Section to the Cork Branch.



Pictured at the launch of the Cork Plumbing & Heating Contractors' Association brochure were: Finton Kennedy, Potterton Myson; Liam Davis, Vice Chairman, CPHCA; Richard Horgan; Joe O'Brien, Director CIF; Michael Keane, Mark Eire; Michael Daly, Chairman, Cork Branch, CIF; Denis O'Sullivan, Bord Gáis; Dan Wallace, Minister of State at the Department of the Environment and Local Government; Alan Binley, ABB; Paul Terry, Chairman, CPHCA; Ciaran Kelleher, Bord Gáis; Tom O'Brien, CIF; and John Sweeney.

IDHE at Plan Expo

A special IDHE seminar takes place in conjunction with Plan Expo on Friday, 6 November, 1998, at 1.45pm in Main Hall, RDS.

The IDHE Seminar will cover Water Treatment Analysis methods; Health & Safety Statements for the heating industry; and the presentation of the Students Awards

TRADE NEWS

CHP for Hotels

The Minister for State at the Department of Public Enterprise, Joe Jacob, TD, recently opened the new combined heat and power (CHP) facility at Rochestown Park Hotel, Cork. The Minister was attending a seminar hosted by Bord Gáis entitled: "Combined Heat and Power for Hotels" aimed at promoting energy efficiency in the Irish hotel industry.

Combined heat and power is a unique concept of total energy supply which greatly improves energy efficiency. In



The Minister of State at the Department of Public Enterprise, Joe Jacob, TD, officially opened the new Combined Heat and Power (CHP) facility at Rochestown Park Hotel, Cork.

conventional electricity generation, up to 65% of the initial primary energy input is wasted. The technology of CHP makes it possible to recover most of this reject heat for

productive use. A conventional power generating station consumes almost three times as much primary energy as a CHP unit, and emits up to three times as

much air pollution.

Speaking at the seminar Tony Lyons, who instigated the installation of CHP at Rochestown Park said: "We anticipate that our new CHP unit will result in savings of up to 30% on our electrical requirements and we will see further significant savings on heating costs. At present, CHP can generate up to two thirds of our energy needs and, on this basis, we expect a payback period of only three years. The new CHP unit also complies with new legislation coming into effect in the

Continued on page 14



■■■ RONDO LINE

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and Sanitary
Equipment

■ Technology

■ Quality

■ Design

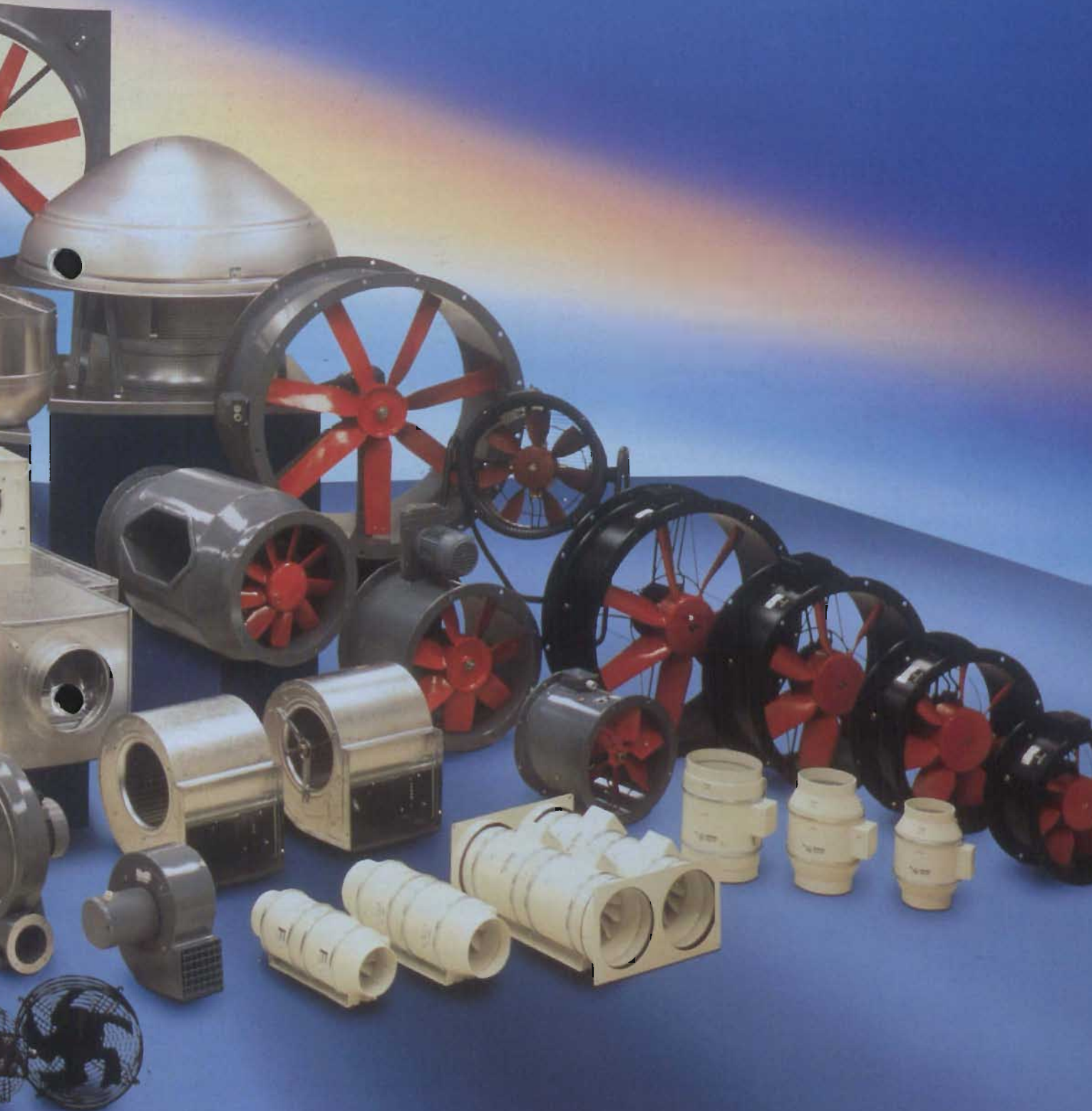
sanitary



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T R A D E N E W S

year 2000 to control the level of CO₂ emissions from boilers", he added.

Bord Gáis became actively involved in Combined Heat and Power development in 1996 as part of its ongoing efforts to promote energy-efficient applications in the industrial and commercial sectors. Since then, CHP

has become the first option for heating and power among specifiers to the hotel and leisure industry and a number of Dublin's leading hotels, including the Berkeley Court, Burlington, Herbert Park Hotel, Davenport and more recently the new Raddison St Helen's, have converted to the system.

Maico's New BSD Firedamper

While the majority of fire dampers used in Ireland are of the fusible-link type and therefore require regular servicing to clean the spring-mounted shut-off panel, Maico's new BSD firedamper range provides a maintenance-free, fire protection, ceiling barrier in 100mm, 125mm, 140mm, 160mm, 180mm and 200mm sizes. This is especially important in that firedampers, by their very nature, are invariably installed in places which are difficult to access.

It complies fully with the requirements for single-duct ventilation systems according to DIN 18 017 part 3, and continues to do so without the need for a service schedule.

The damper housing is made from galvanised sheet steel while the fire protection elements are made of thermally-foamed material. Enclosed are two steel straddling dowels for ceiling assembly.

The Maico BSD range is suitable for new buildings and renovation situations, particularly where no fire-resistant ventilation or installation shaft is planned, be it for economic reasons or because of the lack of space.

Ideal for air extraction and supply in bathrooms, toilets and kitchens, it is especially suitable for unfinished wall installation systems.

Contact:
Billy Wright,
Irish Fan
Distributors.
Tel: 051 -
852404.



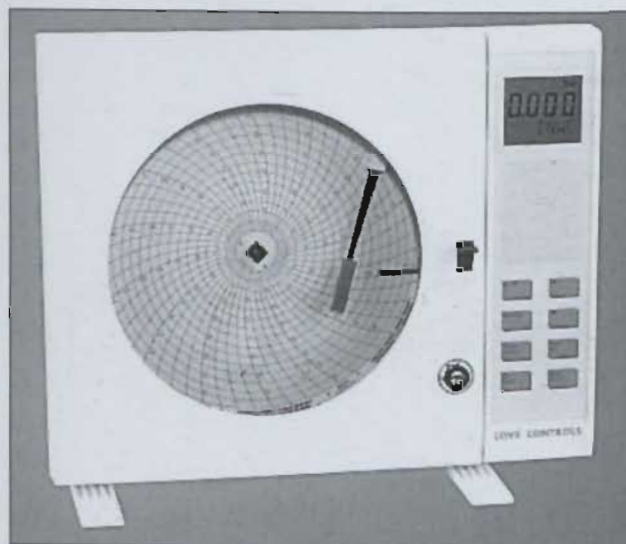
Right: Maico fire protection ceiling barrier, Type BSD, from Irish Fan Distributors.

Circular Chart Recorder for Cleanroom Monitoring

The new Dwyer Model CR30 circular chart recorder from Manotherm Ltd is designed to measure and record ultra-low air pressures-positive, negative or differential-on large 8" (20cm) circular chart paper while also providing easy-to-read digital readings on a large LC display.

air filter indication and HVAC testing and balancing.

The CR30 also includes audible and visual high/low alarms with field programmable delay, minimum/maximum indication and locking key pad and door to prevent tampering. Units can be wall-mounted or used on a



Dwyer Instruments' circular chart recorder from Manotherm is suitable for cleanroom monitoring; air filter indication; and HVAC testing and balancing.

Accuracy is ± 0.002 inches water column (in wc) or $\pm 2\%$ of reading. Ranges are selectable for -0.10 to $+0.10$, -0.15 to $+0.25$, 0 to $+0.15$, or 0 to $+0.25$ in wc and recording times include choice of 1, 7, 14 or 31 day periods. Replacement chart paper and pens available separately.

Among likely applications are cleanroom monitoring,

bench or shelf with footstands included. They measure approximately $10\frac{1}{2}"$ H x $13\frac{7}{8}"$ W x $2\frac{1}{2}"$ D (26.7 x 35.2 x 6.4 cm) and weigh 7 lbs (3.2 kg). Adapter for 120 VAC power supply is included; four D size alkaline batteries can be used for backup.

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

Thermo Systems Nationwide Specialist Solutions

Having already established itself as one of the leading specialist solutions providers in refrigeration and air movement with McQuay International chillers and AAF International air handling units, Thermo Systems is now set to do likewise in respect of cleanrooms, having expanded the portfolio to include AAF cleanroom products.

This new addition consolidates Thermo Systems "total solutions" capability, the basis of this successful business, being further reinforced by its key personnel.

Managing Director

Aidan Lynch is supported by Carl Dumpleton, Technical Sales Manager; Ken Monaghan, After-Sales/Service Manager; and Eamon Hart, Site Operations Supervisor. All are highly-qualified in their respective fields of expertise and, between them, represent a wealth of experience and technical know-



Aidan Lynch, Managing Director, C.Eng

how which is unrivalled within the industry.

Customer care is everyone's brief. As specialist solutions

McQuay's innovative technologies.

Understanding the end-user need is vital, as is the ability to liaise effectively and constructively with the consultant, project manager and contractor where necessary.

This is especially important in critical and sensitive applications where the ability to deliver, serve and sustain the required solution is essential.

"The inclusion of additional products from the AAF Cleanroom Division marks the beginning of a new phase

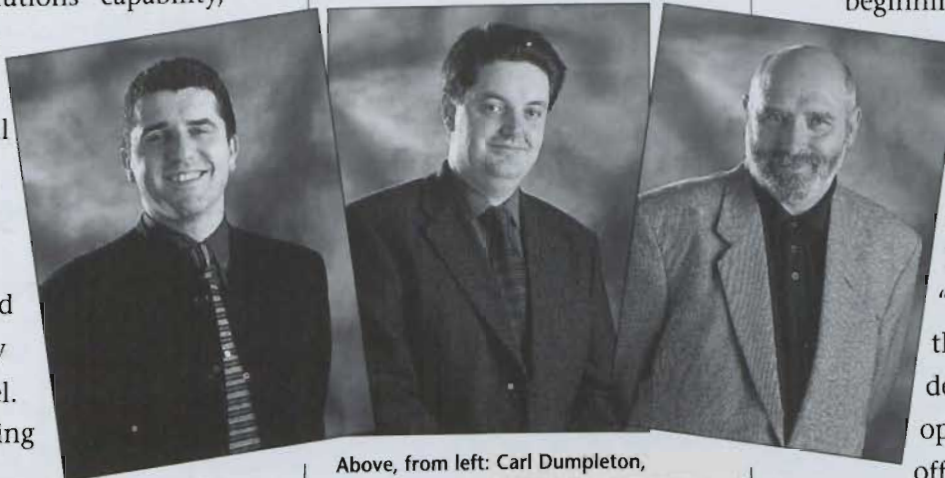
in the development of Thermo Systems", comments Aidan Lynch.

"Complementing these developments is the opening of our Cork office which will

allow for a full dedicated service in the Cork, Limerick and Galway regions.

"We now hope to add value and bring our unique responsive approach to all our clients nationwide".

Contact: Thermo Systems.
Tel: 01 - 492 5340.



Above, from left: Carl Dumpleton, Dip.Eng.MIEI, Technical Sales Manager; Ken Monaghan, After-Sales/Service Manager; and Eamon Hart, Site Operations Supervisor

providers Thermo Systems is renowned for its ability to listen and be responsive.

Adding value to engineering solutions is achieved through the expert application of

IDHE NEWS

CPD Programme Underway

Continuing Professional Development (CPD) is about maintaining professional competence, and is a voluntary programme for all members to personally maintain.

Definition

Continuing professional development is defined as the systematic, maintenance, improvement, and broadening of knowledge and skills and the development of professional, managerial and technical skills for persons engaged in domestic heating engineering.

Requirements

Members must complete a minimum of 16 hours per year on qualifying

CPD activities. One point equates with one hour of training, the various qualifying categories, sub-categories and respective points/hours being as shown in Table 1 (right).

Important

- (1) All activities to be approved by Education Committee in advance;
- (2) Members should attain a minimum of 16 points per year;
- (3) Certificates with points to be approved with Education Committee with CPD suppliers;
- (4) Relevant in-house training will be approved by Education Committee;
- (5) Point/Hours may be used as Route to Registration (RR) and upgrade membership;
- (6) Maximum number of points per annum as indicated in point/hours column. ■

Table 1

Qualifications	Point/Hours
IDHE Diploma Course (Students only)	20
Short Technical Courses	20
Computer (Information Technology)	20
Business Studies	20
Self Directed	10
Imparting Knowledge	Point/Hours
Preparing Papers	15
Publishing Articles	15
Lecturing	20
Institute Activities	Point/Hours
Seminar's	4
Committee Work	10
Meetings	4
Technical Events	10



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IDHE CPD ACTIVITIES '98/'99

Date	Topic	CPD Points
20/10/98	Insurance Law	1.5
6/11/98	Water Treatment Health & Safety Statements Educational Awards	3.0
19/1/99	Hot Water Technology	1.5
26/2/99	Annual Dinner	Social
22/3/99	Systems & Energy Controls & EN 442 Radiator Standard	1.5
20/4/99	Non Domestic Boilers and Burners	1.5
4/5/99	Golf Tournament	Social
22/6/99	AGM	1.5

Sewage and effluent is a dirty business, and we're in deep.

Grundfos offers a comprehensive range of pumps, packaged lifting stations and ancillary equipment.



Grundfos, a world leader in pump technology, has always been known for developing and producing high quality pumps for clean water applications.

But did you know that a whole range of products can be specified for most waste water, sewage and effluent applications as well?

The Grundfos AP range, built to the high standards you would expect from a world leader in pumping equipment, provides a complete solution to the building services industry. Pumps, packaged lifting stations and a full range of accessories are backed up by the well established Grundfos national sales and service facilities.



GRUNDFOS



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Published by ARROW@TU Dublin, 1998

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New Headquarters for JJ Sampson & Son

The official opening of JJ Sampson & Son's new premises at Nangor Road Business Park on the western side of Dublin took place recently. Present were a broad cross-section of the company's customers, along with His Excellency, the Danish Ambassador to Ireland, Mr Ulrik Federspiel; Danfoss Executive Vice-President, Hans Kirk; and Gerhard Strauss, President, Danfoss UK Ltd. The occasion was relaxed and informal, the official proceedings being followed by an "open day" which gave guests the opportunity to wander throughout the building and talk with the JJ Sampson & Son and Danfoss personnel who were in attendance. Pictured below are some of those present on the day.



PIC 1

John Sampson, Tony Callaghan and David Sampson sharing a joke

PIC 2

Ted D'Arcy with Clinton Pratt, Eric Walsh and Alan Davies

PIC 3

Hans Kirk, Gerhard Strauss and John Sampson with the framed copies of the original agency agreement letters which date back 47 years

PIC 4

Hans Kirk, Executive Vice-President Danfoss, demonstrating his soldering skills on the new Danfoss TU expansion valve

PIC 5

Barry Kelly with Brian Kelly and Leslie Mason

PIC 6

Frank O'Sullivan with Hans Kirk and Brendan Sampson

PIC 7

Gerhard Strauss, President, Danfoss UK Ltd, participating in the TU expansion valve soldering competition. It was won by Billy Barron of Autozero, who completed three connection joints in a time of 40 seconds.

PIC 8

Exterior view of the imposing new JJ Sampson & Son premises in the Nangor Road Business Park in Dublin.

Flexibility & Performance

et al.: BS News

...The Advantage is Armstrong.



Throughout the world Armstrong Insulation Products are at work in all types of industry and all types of climate. Couple our global network with over forty years of continued research and development and you begin to see why Armstrong have established themselves as market leader.

Our continued research and product improvement programme is evident throughout our whole product range surpassing new and improved building regulations, ensuring optimum energy efficiency and putting safety first, as can be seen by our exceptional fire performance standards.

More than that, our product range has been designed for total performance and flexibility. Easy to install, dust and fibre free, our user-friendly product makes short work of the most complex installation problem.

It doesn't stop there. At Armstrong we believe in total customer commitment. This is reflected in our free full technical support and advice from initial specification through to installation.

Training is also an important part of the total Armstrong package.

Our programmes are aimed at helping to reduce installation costs and increase both performance and longevity of the product when in use.

In essence, when looking for the optimum in flexibility and performance specify and install Armstrong with confidence.

Armstrong ...The Advantage.

Armstrong
Insulation Products

Published by ARROW@TU Dublin, 1998

For further information contact: Customer Services Department,

Armstrong Insulation Products, a division of Armstrong World Industries Ltd., Mars Street, Oldham, Lancashire. OL9 6LY. Tel : 0161 287 7100 Fax : 0161 633 2685



USING A PLASTIC PLUMBING SYSTEM COULD BE FULL OF SURPRISES

Let's face it, some events take you by surprise. And they can often cost more than the pounds in your pocket. What about your reputation? Can you really afford to play around with that?

With a copper plumbing system you know you're



getting proven reliability and versatility. That's why it's been the professional's choice for the past forty years.

But, hey if it's surprises you like, don't mind me. I'll just get back in my box, Jack.

<https://arrow.tudublin.ie/bsn/vol37/iss9/1>
DOI: 10.21427/D7BH8H

**The Professional Choice
for Plumbing & Heating Systems**

BTU Anniversary Golf Day

St Margarets Golf & Country Club

Overall Winner Medal:
Frank Mullins, 36pts

Class 1

Winner: Tony Delaney, 37pts
Runner-up: Bernard Sweeney,
33pts
3rd: Sean Smith, 32pts



BTU Anniversary Golf Day – Overall winner: Frank Mullins making his thank you speech with BTU Captain Brendan Bracken on right.



Class 1 Winner: Tony Delaney receiving his prize from BTU Captain Brendan Bracken



Class 2 Winner: Gerry Phelan accepting his prize from BTU Captain Brendan Bracken.



Class 3 Runner-up: Pat Egan being congratulated by BTU Captain Brendan Bracken.



Class 2, Third: Michael Curley pictured with BTU Captain Brendan Bracken.

Class 2

Winner: Gerry Phelan, 36pts
Runner-up: Brendan Bracken, 35pts
3rd: Michael Curley, 34pts

Class 3

Winner: David Daly, 32pts
Runner-up: Pat Egan, 31pts
3rd: Brian Kearney, 30pts

Front Nine

Winner: Jim Duggan, 19pts
Runner-up: Gerry Hutchinson, 19pts

Back Nine

Winner: Michael Wyse, 19pts
Runner-up: Des O'Gorman, 19pts

Nearest Pin (5th hole):

Winner: Tony Delaney

Longest drive (16th hole):

Winner: Michael Morrissey ■

Seminar



Safety in the Building Services Industry

Safety within the construction industry has always been a contentious issue, but never more so than at present. However, very little has been done in relation to safety in the building services sector. Consequently, CIBSE has devised a comprehensive seminar programme to deal with this important matter, which will be presented at the forthcoming Plan Expo '98, the architectural, construction & building services exhibition (see also page 4).

SEMINAR Date: 5 November 1998
Venue: RDS Merrion Room (Seminar Room 1)
Time: 1.30pm

- | | |
|-----------------|---|
| 1.30pm — 2.00pm | Registration |
| 2.00pm — 2.15pm | Introduction |
| 2.15pm — 2.50pm | Niall Harrington, Director and Safety Consultant
Bruce Shaw Project
Supervisors
Safety Management during Design |
| 2.50pm — 3.25pm | Vincent McGauran, Senior Inspector
Health & Safety Authority
Construction Safety; the Regulatory viewpoint |
| 3.25pm — 3.35pm | Tea/Coffee break |
| 3.35pm — 4.10pm | Pat Walsh, Board Member, HSA
Director G&T Crampton Ltd
Safety Management; Construction Stage |
| 4.10pm — 4.45pm | John O'Dea, Occupational Safety Manager, Intel Ireland Ltd
Client/Contractor
Partnership in Achieving an Injury Free Project |

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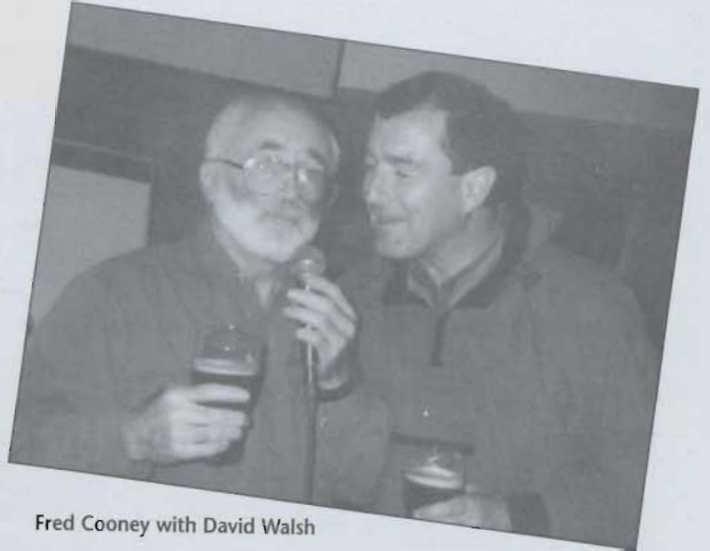
Contact:

No. of Tickets Required:

<https://arrow.tudublin.ie/bsn/Vol37/iss9/1>
DOI: 10.21427/D7BH8H

Fred Does It His Way!

Fred Cooney said "goodbye to all that" in his own inimitable way recently. Our photographer was there to capture the atmosphere and enjoy the craic. His photographic record – especially the late night shots – could tell some tales!!! ... so, what we've reproduced here are "some ones taken earlier in the evening". ■



Fred Cooney with David Walsh



Above:
Padraig
McShane with
Fred Cooney.



Above: Fred Cooney with Tom McGrath.

Right: John
Harmon with
Stephen
Powell.



Below: Vera
Cooney with
Fred Cooney
and Pauline
Morris.

Below: Frank Williams with Bart Reynolds, Vera Cooney, Lorraine McGrath and Tony Harmon.



Energy Management Comes of Age

Energy management in Ireland has come of age, developing from what was a fledgling industry just two years ago into a mature business. The Energy Show '96 was instrumental in

Workshops – The Objectives

The prudent selection, operation, control and regular inspection of all energy-using systems can save considerable energy resources. Indeed, it is estimated that the application of currently-available technologies and careful energy management techniques can, in many instances, result in an annual saving of up to 30% of overall energy consumption. Achieving this objective requires very careful consideration of all options based on previous experience and current best practice. These workshops will highlight how this task should be undertaken in each of the subject applications detailed.

There will be a total of four, half-day workshops.

Technologies covered will be:

- Variable Speed Drives
- Lighting and Lighting Controls
- Combined Heat and Power
- Building Energy Management Systems

For Workshop details contact:
Ms Irish Atwell, The Irish Energy Centre. Tel: 01 - 808 2080.

spearheading this development and the evidence of just how far matters have advanced is clear from the fact that there are 25% more exhibitors in the forthcoming Energy Show '98.

The Energy Show '98 – which is being presented by the Irish Energy Centre – heralds the introduction of a new generation of dynamic, innovative products and services, designed to take us into the next millennium and beyond. Hitherto conceptual energy management techniques and formulae are now being applied in a practical way to great effect.

The Energy Show '98 comprises a 2-day exhibition with complementary workshops and events, designed to highlight the many ways in which energy costs can be reduced; productivity can be increased; comfort conditions can be improved; and environmental impacts can be reduced.

Venue: Burlington Hotel
Conference Centre, Dublin.

Dates: Wednesday and Thursday,
18 & 19 November, 1998.

Further information from: Ms
Margaret Andreucetti, Business
Exhibitions. Tel: 01 - 295 7418. ■

Who is Exhibiting?

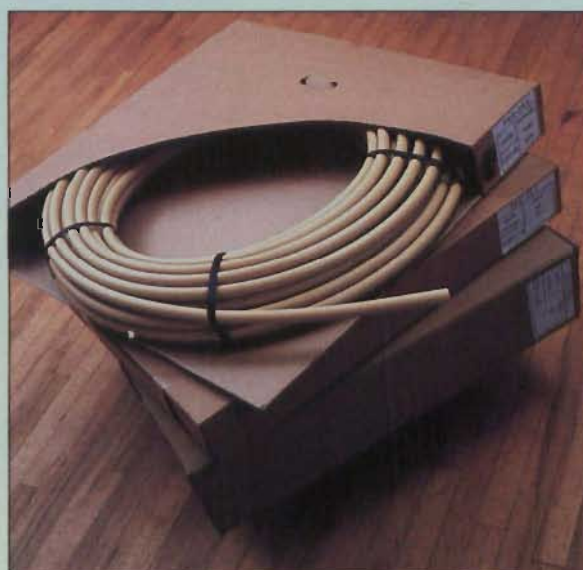
Among those exhibiting at The Energy Shop '98 are:— Advanced Energy Solutions; Albar Associates; Ashdown Building Management; Atlas Copco Ireland; Belimo; Bord Gáis; Caradon Trend; Casey Consulting; Clayton Thermal Products; Clean Duct Services; CODEMA; Coppercraft; Cylon Controls; D E Generator Hire; Danfoss; Delta; DMC; Drives & Controls; ESB; Edina Power Plant; Edmac Systems; Electric Drives; Energy Agency Arnhem; Environment 2000; Environmental Efficiency Consultants; Excalibur Controls; Firebird Boilers; Gerkos Boilers (Tipperary); Grant Engineering; H-VAC; Harold Engineering; HDS Energy; Heating Distributors; Hevac Ltd; Honeywell Control Systems; HR Holfeld; Ingersoll Rand; Irish Energy Centre; Irish Energy Management; J J Sampson & Son; Jetvent; JohnsonControl Systems; Katana; KB Combustion; Keston Heating Products; Landis & Staefa; Lectron Industries; M T Agencies Ireland; Manotherm; Maxwell Industrial Instruments; McCool Controls & Engineering; McKenna Ireland; Mizushi; Northern Design (Electronics); Patrick Lord & Co; Powerlogic; Prolux; Quattro Seal; Raab Karcher Energy Services; Safeair Systems; Safegard Systems; Schneider Electric Ireland; Setsquare; Shischek; Sinergy; Sirius Engineering Systems; Sontay; Spirax Sarco; Standard Control Systems; Team Software; Tech Con International; Telemecanique; The Institute of Energy Belfast; Thermal Process; Thermie; Tridonic; Woodleigh; York Controls Group.



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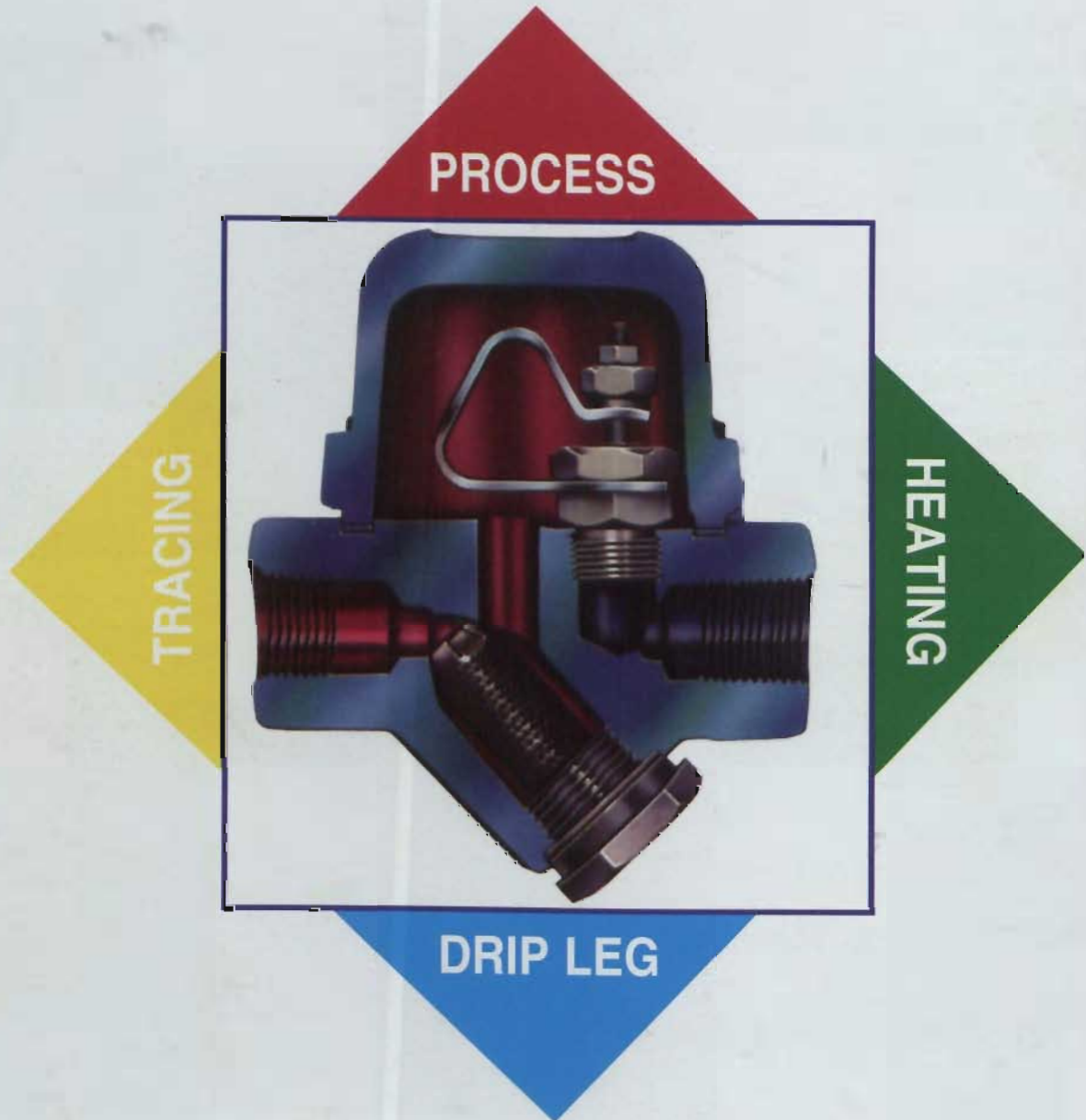


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