Vol 5 Issue 2

BUSINESS SOLUTIONS

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DATA centres Ireland

2016
Exhibition Catalogue

Data Centres 8th & 9th November 2016, RDS, Dublin

Munters – How Cool Are You?

EMC – Cost Effective Solutions

DATA centres Ireland

7-8 November 2017

RDS, Dublin

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Croke Park, 26th April 2017

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Data is one of the most valuable assets any business has today. Our dependence on information systems and services means organisations are more vulnerable to security threats than ever before. Keeping your data secure – whether its customer, staff or supplier data – is critical in most businesses, but most especially those dealing with sensitive data. Data security is a hot topic in the media so ISO 27001 not only protects your business against hackers but also safeguards your reputation.

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For further information please contact

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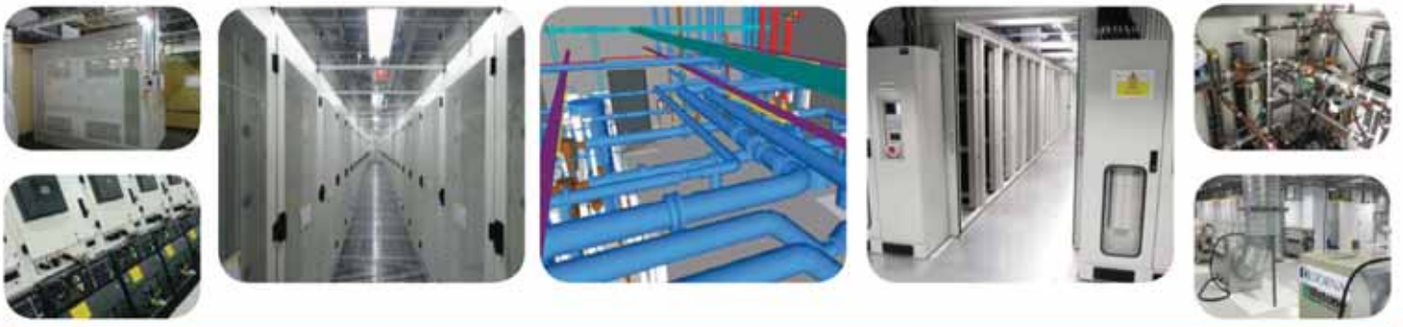

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Info Sec set to host top cyber-security experts

A gathering of leading cyber security experts takes place in Dublin next month. The Dublin Info Sec 2016 conference will discuss major issues affecting Irish business including cyber fraud and hacking - particularly the danger posed by hackers to senior executives.

The average cost of fraud to organisations in Ireland has increased from €498,000 in 2014 to €1.7m, with the incidence of cyber attacks almost doubling since 2012, according to a recent PwC report.

'Whaling the C-Suite' is first up on the agenda, exploring how senior executives are making themselves vulnerable to hackers. Amongst those topping the bill at the conference in the RDS is Dr Mary Aiken - the expert on which the US TV series CSI: Cyber was based. Dr Aiken will profile the insider threat for businesses of fraud and allowing access to hackers. She will also host a workshop for executives attending Dublin Info Sec. She is one of the speakers on the theme of 'Human Factors in Cybersecurity'.

Also on the day, there will be further thought-provoking debate from key industry leaders focusing on the threat to Irish businesses and the State from cyber attacks.

Joseph Carson will detail Estonia's experience of a concerted cyber attack in 2007 when the country's banks, ministries, media and parliament all suffered denials-of-service. Could the same happen here and how prepared are we for it?

Other themes include an interview with WikiLeaks journalist Sarah Harrison followed by a panel discussion asking 'Whistleblower: Champion or Saboteur?' which promises to be a provocative debate about the actions of

WikiLeaks and whistleblowers in general.

The conference, which will be opened by Tanaiste and Justice Minister Frances Fitzgerald, promises to be important for key influencers and industry thought-leaders in the area of cyber crime and aimed at 'C-suite' and senior business executives.

Conference attendees are eligible for up to 8 CPE credits from the relevant awarding bodies. Tickets for the event, organised by INM, can be purchased online at www.independent.ie/infosec2016.

DATA CENTRE VALUATIONS INTERVIEW

Mark Acton is the Critical Services Director for the newly formed Global Data Centre Solutions business at CBRE. Data Centre Solutions (DCS) offers the delivery of data centre specific facilities management and engineering Services to customers as well as a large range of IT and technical services, accreditations, risk reviews, diligence reports and genuine world leading thought leadership.

Why does the sector continue to grow despite economic downturns and IT consolidation?
IT footprint is getting smaller but demand is being sustained by the ever increasing growth in the consumption of IT services and the ubiquitous dependency on IT and communications services in general. These are all ultimately based in data centres somewhere.

Why is there such a focus on energy efficiency?
The power density of a modest data centre is 100 times more than that of a large commercial office building. A large data centre may have the capacity to use as much electrical energy as a small town. Electricity is by far the greatest operating cost of any data centre and yet currently greater than 99% of all electrical energy consumed by data centres is rejected into the atmosphere as waste heat. The sector has made huge strides over the last 5 years to significantly improve energy efficiency, but there is an increasing recognition that unless we can demonstrate the energy improvements across the sector there is an inevitable spectre of inappropriate and hasty government legislation around the corner.

We hear a lot about data centre standards and standards development - Why?
The data centre sector is arguably less than 25 years old and yet data centre operators in particular are extremely keen to differentiate themselves by aligning with recognised and accepted standards. Unfortunately there are few (if any) true standards that are globally accepted. Development of recognised genuine international standards is therefore still important and there continues to be something of a concerted effort in this area. I am very closely involved in the development of the new European EN 50600 series of data centre standards being created by CENELEC, and am also the editor of the European Code of Conduct on Data Centre Energy Efficiency, which is also sponsored and supported by the European Commission .

What about The Cloud?
Cloud based services are having an impact on data centres, but rather than reducing demand as some suggest it is actually increasing demand, particularly in the data centre collocation market. Ultimately the cloud still needs to be housed somewhere, so it could be described as merely "somebody else's data centre" as opposed to your own. The big change that Cloud type data centres are likely to bring is a progressive move away from the current dependency on building infrastructure for resilience / service continuity. This may be achieved both within the IT hardware and application layers but there is an increasing focus on application level resilience based on the examples being set by the hyper-scale deployments from IT Infrastructure firms. This will ultimately result in data centres becoming less bespoke and more commoditised with simpler infrastructure requiring less management.

What are the big developments in the sector ?
I am sure that there will be continued growth in the data centre collocation market and considerable opportunity in the space globally. The data centres being built moving forward will certainly be designed to have more energy efficient infrastructure. Cooling systems in particular will be universally designed to take advantage of low outside ambient temperatures, however the big energy efficiency gains are now largely to be made with the data centre IT infrastructure itself (hardware utilisation and software efficiency), rather than the building infrastructure. The supporting mechanical and electrical infrastructure in a data centre is likely to become less complex and less resilient.

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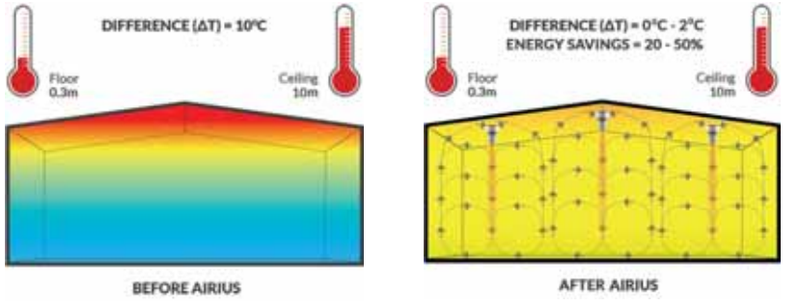

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- A reduction in operating costs
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- Assistance in meeting Green and Energy commitments

Based on information from our suppliers and customers satisfaction, we are confident we have a product range that will provide Energy Saving and Process Enhancement solutions to the Data Centre Sector. We will be showcasing these at the upcoming Data Centre Exhibition at the RDS.

We will have product specialists available to discuss any applications you may have.

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EXCELLENCE IN ENGINEERING & EFFICIENCY

LEGACY DATA CENTRES – upgrading the cooling capabilities

By Pat Gillan, Data Centre Sales Manager at Weatherite Air Conditioning Ltd

Cooling equipment installed some 10 or more years ago within a comms room, server room or data centre will, in most cases, be coming to the end of its useful life and as a result could be creating problems for IT Managers/FM maintenance specialist responsible for their efficient, continual, safe operation.

Many of these legacy data centres are probably cooled using CRAC (Computer Room Air Conditioning) cooling units. These traditional cooling solutions monitor and maintain the temperature and humidity within the IT white space, operating on a continual basis.

However, data centre cooling technology has advanced considerably over the last 10 years and ASHREA has set out a number of recommended standards and guidelines for the data centre industry, aimed at delivering a more energy efficient solution.

50kW cooling units in operation at a Tier 3 data centre.

Efficient energy usage also plays a large part in any IT critical environment and, as the cooling solution could account for up to 60% of the data centres energy costs, delivering a substantial reduction in cooling expenditure can only be good news for the Data Centre Manager.

So, what are the options when looking at improving/upgrading the cooling capabilities within a legacy data centre?

Option 1 - Refurbishment

Generally, the refurbishment of an old CRAC cooling system would require the replacement of most of the unit's internal mechanical components, from the belt driven fan/motor assembly to the cooling coil. Also, if it's a direct expansion (DX) solution, the compressor could be operating on a non-compliant R22 refrigerant which would need to be rectified immediately. The existing control system would also need to be updated.

Consequently, unlike other commercial air conditioning plant, which can be economically refurbished to meet current 'comfort' cooling demands, refurbishing legacy data centre CRAC cooling units can be a very expensive operation and may not actually provide the most cost effective, energy efficient solution for a Legacy comms room/server room or data centre.

Option 2 – Replacement

This option provides an opportunity to actually replace outdated, inefficient capital plant with a more modern cooling system, which will be fit for purpose i.e. has the required cooling capacity to suit existing and, if necessary, planned expansion of the IT load.

Providing a 'replacement' solution also allows the data centre professional to consider a number of options- aimed at providing the optimum, long-term solution. Although the existing CRAC units could be replaced with new, modern alternatives, these would again be air circulation only and still have a limited cooling capacity. However, if direct replacement units were considered they could be designed with dimensions to suit any site constraints, providing enhanced cooling capacity, plus they could incorporate energy efficient solutions.

Advances in cooling technologies for data centres have progressed substantially over the last few years which, in association with enhanced and environmental resilient IT chip design, has enabled the EU Code of Conduct and ASHREA to recommend higher operating temperatures in Data Centres, permitting the application of cooling systems less dependent upon mechanical compressors that was only previously possible in telecommunication rooms.

At Weatherite we appreciate the fact that every comms room, server room and data centre is different and that each requires a cooling arrangement designed to deliver the best possible solution, whether that be Ambient air free cooling, Direct or In-direct Adiabatic systems, in-row cooling or conventional recirculation air handling units.

Option 3 - Consider the addition of containment

The benefits of adding a Cold Aisle Containment (CAC) or a Hot Aisle Containment (HAC) solution are well documented and offer additional benefits, particularly within existing data centres - ensuring the dedicated cooling air flow is directed to the IT heat- eliminating conventionally incurred room losses and improving temperature control efficiency.

Energy usage within Legacy Data Centre's

The question of energy consumption is high on everyone's agenda these days, particularly within the IT critical sector. Any solution that can reduce mechanical cooling to a minimum, thus delivering substantial cost savings, needs to be carefully considered. Fresh air free cooling and adiabatic cooling options can offer vastly reduced running costs not only for the data centre itself, but also for controlling the heat output from the supporting UPS plant.

Delivering the right solution for each individual legacy data centre

Weatherite are experts in delivering data centre replacement cooling equipment as well as new build D.C. applications- delivering a technically advanced, energy efficient, low PUE configuration.

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60kW replacement free cooling units being manufactured.

DATA centres Ireland

8-9 Nov 2016

RDS, Dublin

Exhibition Catalogue

Opening times:

Registration opens at 9.30

Tuesday 08	10.00 – 17.00
Wednesday 09	10.00 – 16.00

For more information visit:

www.datacentres-ireland.com

Welcome

Welcome to DataCentres Ireland.

The amount of electronic data that we store is growing exponentially, as is our reliance on that data. However the storage and processing of this data costs... With energy prices rising and our growing needs for resilient and robust IT platforms... ensuring you have the right solution for your organisation is vital and will continue to be so.

DataCentres Ireland

Whether you're running a couple of stacks, a nationwide network of comms rooms, a small datacentre or a hyper-scale datacentre, you face similar challenges: to operate more sustainability, boost efficiency whilst cutting costs... All without compromising speed, resilience, security or service.

The theme of this year's DataCentres Ireland "Infrastructure – Services – Solutions"

This is you event and your opportunity to; network with industry leaders and suppliers; to increase your knowledge and gain new ideas; see the latest in technology, services and solutions that can help you.

The Exhibition – Showcases the Latest in Products, Services and Solutions

The Datacentres Ireland exhibition features over 60 of the most active and dynamic exhibitors representing over 150 companies. This is your opportunity to see the latest in technology, products, services and solutions that can assist you.

Take the time to meet each exhibitor and discuss your needs... you'll be surprised at what is out there.

Expanded Conference Programme

This year's conference has been expanded and features over 60 speakers and panellists addressing the key issues affecting the datacentres internationally and especially those within Ireland.

This expanded programme means that as well as addressing practical issues we shall also be looking at new areas such as: regional development, financing of new builds, Open Compute, Brexit, Safe Harbor 2 and much, much more.

Host In Ireland – Sponsored Content

Held on Day 2 in Conference Room 2, is a stream sponsored by Host In Ireland entitled **"For Ireland The Data is the "Why", The Centre is the "How"** and will include keynotes addresses and panel discussions, featuring Host in Ireland Executive and Advisory Council members along with selected global industry leaders.

On behalf of the entire team, I would like to thank exhibitors, speakers and supporters without whose active support these events would not happen.

Finally, may I wish you an enjoyable, interesting and successful visit to DataCentres Ireland.

Hugh Robinson
Exhibition Director

Ps: Save the date – DataCentres Ireland will once again be held in November 2017 at the RDS.

For more information visit: **www.datacentres-ireland.com**

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General Information

Organisers' Office
The Organisers office is located just inside the entrance to the Industries Hall

Entrance to ALL aspects of DataCentres Ireland Conference and Exhibition is free to all attendees.

Soliciting for business by individuals and organisations who are not actively participating in the DataCentres Ireland Exhibition is prohibited and may result in those people been removed.

Opening Times

Tuesday 8 November

Registration Opens	09.30 – 16.45
DataCentres Ireland Exhibition	10.00 – 17.00
DataCentres Ireland Conference	10.30 – 16.30
Networking Reception (The Café – In the Exhibition Hall)	17.00 – 18.30

Wednesday 9th November

Registration Opens	09.30 – 15.45
Data Centres Ireland Exhibition	10.00 – 16.00
DataCentres Ireland Conference	10.00 – 15.50
"For Ireland the Data is the "Why", The Centre is the "How" Room 2	10.00 – 15.40

Organised by Host In Ireland

All conference Rooms are built at the back of the exhibition hall – See floorplan

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DATA centres Ireland

Catering

A cafe serving hot food is located in the centre of the exhibition.
This will be open as follows:

Tuesday 8 November

Main Catering area	10.00 – 16.30
Hot food available from	12 noon – 15.00

Wednesday 9 November

Main Catering area	10.00 – 15.30
Hot food available from	12 noon – 15.00

Cloakroom

A cloakroom is located to the right of the registration area within the Industries Hall.

Datacentres Ireland Team

Hugh Robinson	**Exhibition Director**
Liz Grimes-Graeme	**Exhibition Manager**
Adam Donovan	**Sales Executive**

Organised By

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For more information visit: **www.datacentres-ireland.com**

DataCentres Ireland Conferen

TUESDAY 8 NOVEMBER 2016. RDS, DUBLIN

10.00 **DataCentres Ireland Opens**

Conference Room 1

Energy & Sustainability

Chair - Prof. Ian Bitterlin, MD, Critical Facilities Consulting

10.30 - 11.00 **Irish Energy Overview - The Challenges and Opportunities**
John Fitzgerald, Director, Grid Development & Interconnection, Eirgrid Group

11.00 - 11.30 **How large energy Providers can work with DC's to reduce consumption and increase the % of Renewables**
John Walsh, General Manager, Smart Energy Services, ESB Innovation

11.30 - 12.00 **Data Centre Circular Economics - How to achieve optimal financial return & maximum sustainability levels from end of life IT**
Mike Higgins, Chief Sales & Marketing Officer, Wisetek

12.00 - 12.45 **Panel Discussion - DC's and Renewable Energy Sources the options**

Panellists - ● *Brendan Heneghan, Interim Chief Executive, Irish Wind Energy Association (IWEA)* ● *John Walsh, General Manager, Smart Energy Services ESB Innovation* ● *John Reilly, Head of Powergen Development, Bord Na Mona* ● *Brian McDonagh, CEO, Ecologic Data Centres*

12.45-14.00 **Exhibition Viewing - Lunch**

Chair - Prof. Ian Bitterlin, MD, Critical Facilities Consulting

14.00 - 14.30 **Standby Generation: Securing your DC and the Grid**
Paddy Finn, MD, Electricity Exchange

14.30 - 15.00 **Case Study - How ISO 50001 Compliance can effect real Energy Savings**
Alan Freeman, Veolia- (e-Bay Inc.)

15.00 - 15.20 **Onsite Power Generation - Improving Energy Efficiency & Security of Supply**
John Curley, General Manager, Clarke Energy

15.20 - 15.40 **Power and Efficiency – Could controlling what we're running in the DC, now deliver greater savings than improved cooling and operational issues.**
Damian Dalton, CEO, Stratagia Ltd & Assoc. Prof., School of Computer Science, UCD

15.45 - 16.30 **Power Panel Discussion**
Panellists: ● *Paddy Finn, MD, Electricity Exchange* ● *John Curley, General Manager, Clarke Energy* ● *Johnathon Fitzpatrick, Exemplar Energy* ● *Damian Dalton, CEO, Stratagia Ltd*

Conference Room 2

Chair - Vincent Byrne, Vincent Byrne Consulting

10.30 – 10.50 **DC Thought Leadership in Open Compute**
- What is it?
- Where is Open Compute now and where is it going?
- What might the impact of Open Compute mean to DC's
John Laban, European Representative, Open Compute Project (OCP) Foundation

10.50 – 11.10 **Bringing 'Open Compute' efficiencies to the Enterprise Datacentre**
Keith Sullivan, MD, CS Squared

11.10 - 11.25 **Q&A**
John Laban, European Representative, Open Compute Project (OCP) Foundation and Keith Sullivan, Managing Director, CS Squared

11.30 - 12.00 **Direct Liquid Cooling - Is this the future? + Case study of the Triton Project**
Jim Hearnden, EMEA Data Centre Power & Cooling Technologist Dell EMEA Enterprise Solutions & Networking

12.00 - 12.30 **Flash Storage and DC's – Is not replacing conventional hard drives with flash storage just a false economy**
TBC

12.30 - 13.00 **Blockchain - The opportunities for the Financial Sector**
Mark Steele Head of IT, UK, BayernLB

13.00-14.00 **Exhibition Viewing - Lunch**

Chair - Steve Hone, Co Founder, Data Centre Alliance

14.00 - 14.30 **The impact on Datacentre Efficiency through the correct use of UPS Technology**
Russell Bulley Technical Support Manager, Emerson Network Power

14.30 - 15.00 **Legacy DataCentres optimisation and its impact**
Kevin Burke, Senior Mechanical Engineer, Arup

15.00 - 15.30 **Boosting Efficiency with a single Datacentre Management Solution**
Aengus Nolan, Data Centre Manager - Intel Ireland

15.30 - 16.00 **Rethink your data centre financing: Discover innovative investment solutions.**
Jonas Caino, Head of UK Sales, ETIX Everywhere

16.00 - 16.30 **Panel Discussion – Codes Of Practice & European Standards – Impact and implications of EN5600, ASHRAE 90.4 & Certification**
Panellists - ● *Mr Mark Acton, Critical Services Director, CBRE Data Centre Solutions* ● *Vincent Byrne, Vincent Byrne Consultant* ● *Lance Rütimann, Vice President, The Green Grid*

17.15 **DATACENTRE IRELAND - NETWORKING DRINKS RECEPTION IN THE EXHIBITION HALL**

For more information visit: **www.datacentres-ireland.com**

ce Programme

WEDNESDAY 9 NOVEMBER 2016. RDS, DUBLIN

10.00 **DataCentres Ireland Opens**

Conference Room 1

10.15 - 10.45 **The Green Grid - What is it? And how you can benefit from being involved**
Lance Rütimann, Vice President, Green Grid

10.45 - 11.20 **The EU Commission EURECA Project, reasoning about hardware refresh rates in Data Centres**
Dr Rabih Bashroush, Distributed Systems and Software Engineering, Director of the Software Architecture Research Group, UEL

11.20 - 11.45 **The Government Challenge – Cloud v's Data Centre**
Tim Willoughby, CTO, Local Government Management Agency

11.45 - 12.15 **Case Study – How moving from AC to DC can improve efficiency**
Phil Hardy, BDM, Eltek

12.15 - 12.40 **Case Study - The Benefits of Co-ordinating Information for the whole building & asset lifecycle**
Kieran Beggan, Chief Operations Officer, IFS

12.40 - 13.05 **Case Study - What are the Benefits of and what does it take to achieve to ISO 27001**
Conor Fitzgerald, Lead Assessor ISO27001, Certification Europe

13.05-13.45 Exhibition Viewing - Lunch

Chair - Mark Acton, Critical Services Director, CBRE Data Centre Solutions

14.00 - 14.30 **"Cooling – Which one is right for you?"**
Craig MacFadyen and Simon Young, Munters Ltd

14.30 - 15.00 **How the use of prefabricated data centres can increase speed to operations, increase flexibility and reduce energy and overall costs**
Mark O'Sullivan, Data Centre Sales Director, Flexenclosure

15.00 - 15.30 **Case Study - Improving Legacy Data Centre Efficiency and the associated benefits/ pitfalls**
Pat Gillan, DC Manager, Weatherite

Conference Room 2

Sponsored By Host In Ireland

For Ireland The Data is the "Why", The Centre is the "How"

Sponsored by "Host In Ireland" element of the conference will include keynotes addresses and panel discussions, featuring Host in Ireland Executive and Advisory Council members along with selected global industry leaders.

10.00 - 10.15 **Market Evolution and is the Growth Sustainable**
Garry Connolly, President, Host In Ireland

10.15 - 10.55 **Global Megatrends / Opportunity or Risk to Ireland**
Moderator: ● *Nicola Hayes, CEO, Andrasta Consulting UK*
Panellists: ● *Terry Gillick, President, Primary Intergration* ● *Cronan McNamara, Founder & CEO of Creme Global, Chair of Irish Software Association, Founder of The Predict Conference* ● *Donough RocheVP Global Sales Engineering, Digital Realty*

10.55 - 11.15 **Data Protection - General Dataprotection in Europe (GDPR)**
Philip Nolan, Partner, Head of Commercial Law, Mason Hayes & Curran

11.15 - 11.55 **Panel Discussion – Global Data Growth – a National Opportunity for Ireland**
Moderator: *Barry Rhodes, CEO, INEX*
Panellists: ● *Jerry Sweeney, MD, Cork Internet Exchange* ● *Fergus Innes, RVP Europe, Hibernia Networks* ● *Shane Nolan, Head Consumer Content & Business Services Division, IDA*

11.55 - 12.30 **Panel Discussion - Energy & Ireland**
Moderator: ● *David Mc Auley, Climate Friendly*
Panellists: ● *Vincent Barra, Vice-President Ireland Datacenter & IT Business, Schneider Electric* ● *James Wilman, Chief Executive Officer, Future-Tech* ● *Emma Fryer, Associate Director, Climate Change Programmes, techUK* ● *Alice Whittaker, Partner, Philip Lee Solicitors*

12.30 - 13.15 Exhibition Viewing - Lunch

13.15 - 13.55 **Panel Discussion - "The Industrialisation of the Data Centre", is creating, retaining and attracting talent now the number one issue?**
Moderator: ● *Peter Hannaford, MD, Datacentre People*
Panellists: ● *Tommy Fitzpatrick, Global Account Director, CBRE Data Centre Solutions Ireland* ● *Tanya Duncan, MD, Interxion Ireland Limited* ● *Dr Theresa Simpkin Head of Department, Lord Ashcroft International Business School*

13.55 - 14.10 **Standards and Compliance , Industry needs to be trusted**
Noel O'Grady Business Development Manager, Sungard Availability Services

14.10 - 14.45 **Financing of DC and Infrastructure Projects**
Moderator: *Diane Hodnett, CEO, Information Technology & Services*
Panellists: ● *Eddie Kilbane, CEO, Dataplex* ● *Gary Watson, General Manager for Ireland, Keppel Data Centres* ● *Mark Pestridge Managing Director - Digital London Ltd*

14.45 - 15.30 **50 Billion Connected Devices by 2020 , The Why and the How**
Phil Lawson-Shanks and title Chief Architect & Vice President of Innovation, EdgeConnex
Moderator: *Ambrose McNevin, Editor in Chief, CBR online.com at Progressive Digital Media Group*
Panellists: ● *William G. O'Connell, MD, DCoD Europe, CommScope* ● *Ken Finnegan, Chief Technology Officer, IDA Technology Ireland* ● *Phillip Nolan Partner, Head of Commercial Law, Mason Hayes & Curran*

15.30 - 15.45 **Garry Connolly : Closing Remarks and Takeaways**

15.45 - 19.00 **Host In Ireland - Drinks Reception - Location Upstairs at the Bridge 1859 , Ballsbridge Bridge Dublin 4.**

Supported by Datacenter People Datacenter People

For more information visit: **www.datacentres-ireland.com**

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We are exhibitors at DataCentres Ireland 2016, 8th & 9th November.
Visit our **stand 325** to discuss your requirements with the team!

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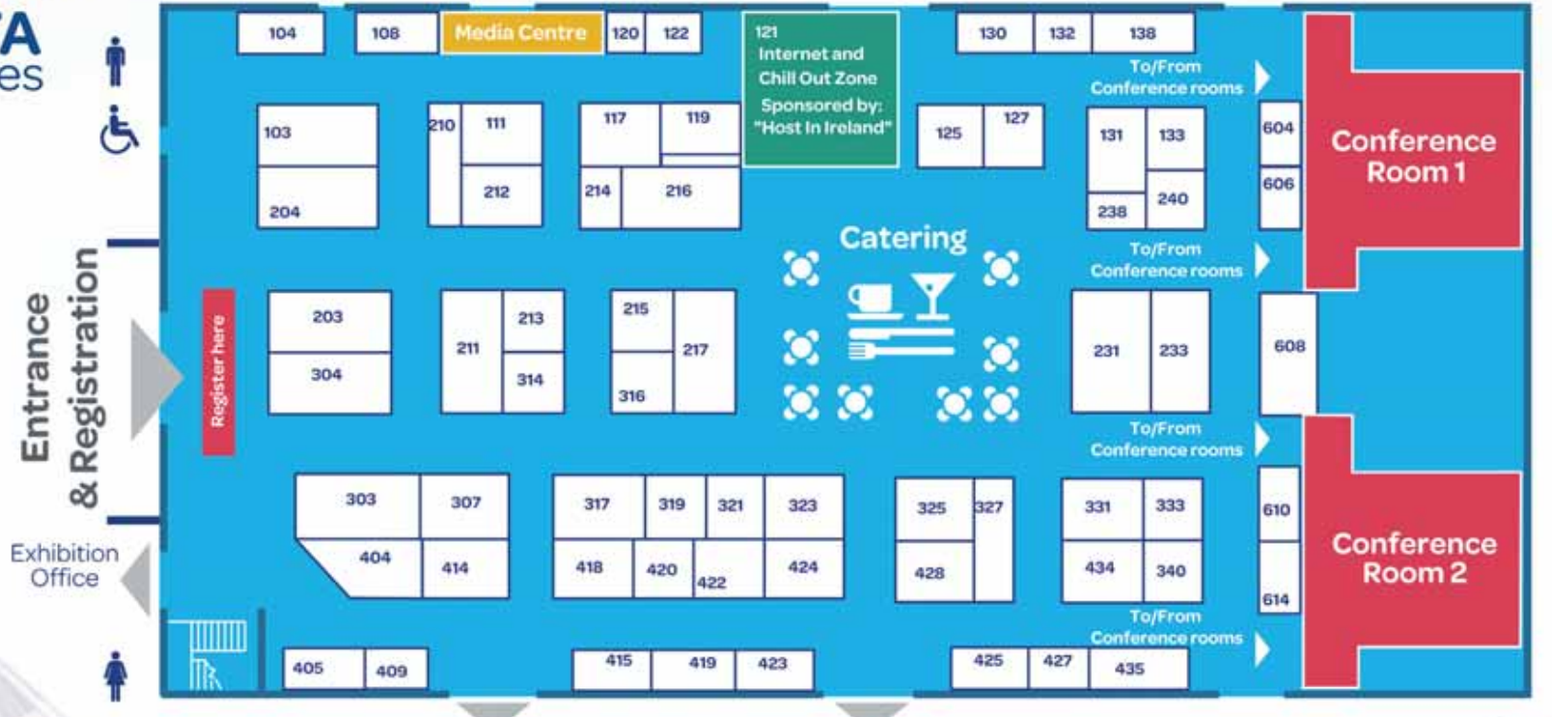
Floorplan & Exhibitor List

DATA centres Ireland



Stand	Company
104	MM Barcoding Ltd
108	Reg Farrell Engineering Ltd
116	Media Centre
119	Munters Ltd
120	DataCentres Advice Clinic - Sponsored by Vincent Byrne Consulting
121	Chill out Zone Hoist In Ireland
122	Primary Integration Solutions Europe, Ltd
125	Starline
127	JAEGGI Hybridtechnologie AG
130	Flexenclosure
131	Business Solutions Magazine
132	Caulfield Industrial Ltd
133	Electricity Exchange Ltd
138	Edpac International Limited
203	Sungard Availability Services (Ireland) Limited
204	SSE Airtricity
210	Wisetek
211	Brod na Mona Plc
212	Weatherite
213	Stay Online
214	Cross-Guard (Part Of Bradbury Group Ltd)
215	Certification Europe
216	Rittal Ltd
217	E-TEC Power Management Ltd
231	CBRE DCS
233	Zayo Group
238	Exemplar Energy Solutions
240	Kirby Group Engineering
303	PSE Power
304	Gas Networks Ireland
307	EMC Ltd
314	Etix Everywhere
316	Server Technology
317	Eltek Power (UK) Ltd
319	Aggreko Ireland
321	Intel Data Center Manger
323	Metz Connect
325	Emerson Network Power
327	DE Power Solutions
331	Heatload
333	Integrated Facilities Solutions Limited
405	Clarke Energy Ltd
409	StepLift Ltd
415	Lenel
418	Precision Cables Ireland
419	Chubb Ireland/Kidde UK
420	Industry & Business Magazine
423	Carrier Rental Systems
424	E&I Engineering Ltd
425	Great Lakes International Limited
427	Datacenter People
435	Nicotra-Gebhardt Limited
604	Cham Ltd
606	Microlease Plc
608	Horizon Energy Group Ltd
610	Butler Technologies
614	IFM Electronic Ltd
Out Door Exhibit	- Ecologic Data Centres
Out Door Exhibit	- PSE Power
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Stand No: 319

Aggreko Ireland

Clonminam Industrial Estate, Portlaoise, Co. Laois Ireland
Tel: +353 (0) 57 866 3233 Email: ukmarketing@aggreko.co.uk
Web: www.aggreko.co.uk

Aggreko provides rental power and temperature control solutions for data centres across the world. With our technical capabilities and 24/7 service, we support all types of planned and emergency data centre projects. These include the design, commissioning and installation of data centres, operational upgrades and contingency planning for emergencies.

We offer a 24/7 365 operation, specialist engineering teams and an extensive fleet of power and cooling equipment. This ensures your rental requirements can be delivered and installed in the shortest possible time-frames to prevent operational disruption. Aggreko also offers specialist loadtesting services to thoroughly test your power supply systems. We provide a turn-key solution, including engineering, commissioning and operational support. As well as a highly experienced customer services team based at our National Rental Centre, our equipment sets industry standards for quality and performance, giving you peace of mind that you have chosen the best.

With continued global reliance on information technology, the importance of maintaining Data Centre's at optimum performance has never been greater. Managers cannot afford to be without reliable power and temperature control as storage capacities and data volumes continue to rise.

Stand No: 211

Bord na Mona Plc

Main Street, Newbridge, Co. Kildare, W12 XR59, Ireland
Tel: +353 (0) 4543 9146 Email: info@bnm.ie
Web: www.bnm.ie

In a world where our needs are increasingly complex, and energy production, waste disposal and environmental conservation are all interconnected like never before, Bord na Móna has a pivotal role to play. Bord na Móna is not just about peat or wind, we're about innovation and problem solving. At the heart of Bord na Móna is the ability to take something ordinary and make it better, make it useful. We have a deep rooted drive to make the most of our natural resources and to deliver more sustainable solutions for the benefit of the communities we serve across the island of Ireland. What we do is second nature to us. We are naturally driven.

Established in 1934 as the Turf Development Board, renamed Bord na Móna in 1946, the Company committed itself over 80 years ago to delivering sustainable industry to Ireland using indigenous resources. Moving to environmentally friendly renewable energy sources is imperative and we intend to lead that change with the transition to peat free electricity generation by 2030. We see this as an opportunity to provide energy security for the future. By repositioning and restructuring, we will ensure the future success and sustainability of our business for the benefit of all our key stakeholders – customers, suppliers, employees, communities and the State.

Transformation will be driven by new uses of our landbank. Our focus is on developing businesses with an understanding of the need to work in harmony with the natural environment and guided by our sustainability principles – economic, social and environmental. Bord na Móna is committed to innovation, sustainable growth and providing energy security for decades to come.

DATA centres Ireland

Stand No: 131

Business Solutions Magazine

616, Edenderry Business Campus, Edenderry, Co. Offaly, R45 TD37, Ireland
Tel: +353 (0) 46 977 3434 Email: ronan@boxmedia.ie
Web: www.busininesssolutionshub.com

Business Solutions magazine has established itself as a valuable source of news and information for senior management within business in Ireland. Over 6,000 key decision makers within both the public and private sector rely on Business Solutions to provide them with the latest trends and technologies, outsourcing options, design & build, managed services and data centre or large computer room management. Business Solutions informs IT Directors, MD's and CEO's up to date with all the important changes, challenges and developments within cloud computing, managed services and data centre's within Ireland.

Business Solutions magazine is an editorially independent publication written by an editorial team with years of experience in this sector. The publication is written by acknowledged experts in their fields and provides IT Directors, MD's & CEO's with an insight into the latest technologies and services available within:

- *Cloud Computing*
- *Managed Services*
- *Data Centre's (Colocation)*
- *Small 2 Medium Server Rooms*

Stand No: 610

Butler Technologies

G14 Maynooth Business Campus, Maynooth, Co.Kildare, Ireland
Tel: +353 (0) 1 629 2620 Email: sales@butlertech.ie
Web: www.butlertech.ie & www.viavisolutions.com

Butler Technologies in conjunction with Viavi Solutions, will be presenting the following solutions for Data Centres :-

- *Copper Certification and Fiber Certification*
- *Fiber test Tools*
- *Fiber monitoring solutions*
- *Hybrid-IT monitoring tools*
- *Best-in-class All-Packet capture solutions*
- *Network traffic analysis with Deep visibility & finely-tuned analysis of cloud-hosted resources*

Come talk to us about the latest Fiber testing standards, how to test and turn up 10/40/100Gig infrastructure, through to network analysis of hybrid IT infrastructure across the cloud. Butler Technologies are Viavi's Elite Partner for Ireland providing the highest standard of end-to-end test, certification, monitoring and troubleshooting solutions across the network.

Stand No: 423

Carrier Rental Systems

Unit 20, Stillgoran Industrial Park, Co Dublin, BT28 1RW, Ireland
Tel: 1800 936533 Email: info@carrierrentalsystems.ie
Web: www.carrierrentalsystems.ie

Temporary cooling and heating solutions from Carrier Rental Systems Carrier Rental Systems is one of the leading suppliers of temperature control rental equipment in the UK and Ireland. We provide a market leading range of cooling and heating solutions available for hire 24/7, 365 days a year. We operate throughout the UK and Ireland delivering a complete turnkey, rental solution from design, through installation to decommissioning. We look forward to welcoming you to our stand and discussing your requirements for high performance, high efficiency temperature control hire solutions.

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Stand No: 132

Caulfield Industrial Ltd

Oranmore Business Park, Oranmore, Co.Galway, Ireland
Tel: +353 (0) 91 795000 Email: sales@caulfieldindustrial.com
Web: www.caulfieldindustrial.com

Caulfield Industrial is Ireland's Leading Broadline Industrial Supply Company. With branches in Galway, Cork and Athlone, as well as a nationwide distribution service, we offer next day delivery on over 50,000 stock items. We are a completely Irish owned company which has been trading for over 40 years. Our customer base, like our stock range, is broad and varied; we supply engineers, safety officers and technicians in medical, pharmaceutical, electronic and engineering facilities throughout Ireland. Our website should be the first stop for anyone involved in plant maintenance or general engineering. We also carry a wide range of cleanroom consumables, clothing and furniture. We are pleased to be exhibiting at this year's Data Centres Ireland Exhibition. We will be exhibiting the range of Tranemo Arc Flash Clothing, Fluke Test Tools, Panduit Data Centre Solutions and Dymo Label Printers.

Stand No: 231

CBRE DCS

117 - 119 Baggot Street, Dublin 2, Ireland
Tel: +353 (0) 1 829 3987 Email: InfodublinGWS@cbre.com
Web: www.cbre.com

CBRE Data Solutions provide strategies that encompass the full data centre lifecycle. These strategies minimize operational risk, reduce cost, and improve alignment between real estate and information technology functional units.As the recognized leader in global data centre facilities management, CBRE Data Centre Solutions delivers 24/7 technical support to over a million sq ft of white space in Ireland and this equates to over 96 MW (megawatts).Our specialist services include strategic planning and needs analysis, site selection, disposition and acquisition, M&A Advisory, project and consultancy management, facilities and IT operations as well as valuations.

Stand No: 215

Certification Europe

Park West Business Park, Block 20A, Beckett Way, Dublin 12, Ireland
Tel: +353 (0) 1 642 9300 Email: info@certificationeurope.com
Web: www.certificationeurope.com

Confidence - Assurance – Certainty
Founded in 1999, Certification Europe is an accredited certification body which aesses companies for certification to a dynamic portfolio of international standards. Proud of our expertise, we are considered an authority in Information Security (ISO 27001), Environmental (ISO 14001) and Energy Efficient management systems (ISO 50001).

Performing more than 8000 assessments annually, we certify clients ranging from global multinationals to micro-enterprises, and from Government Departments to FTSE 500 businesses. We partner with our clients to ensure their ISO certification becomes a valuable asset. With headquarters located in Dublin, we have local offices in the United Kingdom, Italy, Turkey and Japan.

DATA centres Ireland

Stand No: 604

Cham Ltd

Concentration, Heat and Momentum Limited, Bakery House, 40 High Street, Wimbledon Village, London, SW19 5AU, UK
Tel: +44 (0) 20 8947 7651 Email: phoenics@cham.co.uk
Web: www.cham.co.uk

CHAM develops and applies the computational fluid dynamics (CFD) software, PHOENICS, for the simulation of heat transfer and fluid flow processes. Formed in 1976, CHAM provides software and consulting services worldwide. CHAM has created DC-Optima specialist software for modelling datacentres, to enable datacentre designers and operators to predict accurately the air and heat distribution throughout the datacentre. DC Optima provides the necessary tools to define quickly the equipment layout and ventilation configuration, and their operational parameters, to run both steady-state and time-dependent simulations that will ascertain its performance under normal operation, as well as load variation and system failure conditions.

Stand No: 419

Chubb Ireland Ltd

UTC Building & Industrial Systems, Dublin Branch, Unit 2, Stillorgan Industrial Park, Blackrock, Co. Dublin A94 A2C4
Tel: +353 (0) 1 216 3428 Email: info@chubb.ie
Web: www.chubb.ie

Chubb Fire & Security Protecting the world
History:
Chubb Fire & Security has its roots dating back to 1818.
Brothers Charles & Jeremiah Chubb invented the Detector Lock whose design and construction has remained largely unchanged in 200 years.
In 1917 Walter Kidde began experimenting with Fire Detection & Extinguishing Systems establishing a business in the UK in 1935.
Chubb plc was acquired by United Technologies Corporation (UTC) in 2003.
Kidde plc was later acquired by United Technologies Corporation (UTC) in 2005.
The union of Chubb & Kidde created UTC Fire & Security whose business offers an unrivalled range of dynamic fire & security solutions set for generations to come.

Stand No: 405

Clarke Energy Ltd

Unit 7, Newtown Business Park, Newtownmountkennedy, County Wicklow, Ireland
Tel: +353 (0) 1 281 0010 Email: ireland@clarke-energy.com
Web: www.clarke-energy.com

Clarke Energy is a multinational specialist in the engineering, installation and maintenance of reciprocating engine based power plants and gas engine compression stations. Our offering ranges from the supply of an engine, through to the turn-key installation of a multi-engine power plant. Our facilities deliver fuel efficiency and help reduce carbon emissions. Applications include combined heat and power (CHP) with natural gas, biogas, landfill gas and coal gas or high efficiency diesel-fuelled power generation. We are a the largest authorised distributor and service provider for GE's reciprocating engine business.

The company's focus is on delivering quality installations, backed up with reliable, accountable aftersales support. We have a culture of integrity and high ethical standards. Clarke Energy has a dedicated, highly-trained team of sales, engineering, project management, commissioning and maintenance staff deployed around the world.

DATA centres Ireland

Stand No: 214

Cross-Guard *(Part of Bradbury Group Ltd)*

Dunlop Way, Queensway Industrial Estate, Scunthorpe, North Lincolnshire, DN16 3RN, UK
Tel: +44 (0) 17 2427 1999 Email: info@cross-guard.com
Web: www.cross-guard.com

Cross-guard are specialists in Cold & Hot Aisle Containment, and the physical security of servers and other IT equipment. Cross-guard is one of the leading suppliers of security products within the datacentre, telecom, and retail markets.

- *Connexions caging, partitioning and 19 inch racks.*
- *Cold/hot aisle containment.*
- *Ventis server safes.*
- *Bespoke security solutions and security walling.*
- *Safestor strong rooms and panic rooms.*

Cross-guard combines Bradbury Security's engineering and manufacturing expertise, with expert knowledge of the IT Security. All Cross-guard products are custom made to meet individual customer requirements, and are available direct or installed by a Cross-guard team of expert installers.

Stand No: 427

Datacenter People

The Maltings, Station Road, Sawbridgeworth, Hertfordshire, CM21 9JX, UK
Tel: +44 (0) 84 4800 5553 Email: info@datacenterpeople.org
Web: www.datacenterpeople.org

Datacenter People is the leading recruiter for the datacenter industry, helping businesses at every stage in their development to identify and engage hard to find datacenter professionals, both temporary and permanent, around the globe.

Headquartered in London but with branch offices in Singapore, Miami and Dublin, the firm handles roles from "C" level down in all disciplines including Engineering, Design, Project Management, Sales, Software Development, DCIM, Operations and Facilities Management for some of the world's largest datacenter organisations.

Our detailed knowledge of the business, and the key players and companies which it comprises, constantly updated by regular attendance at trade shows, conferences and unequalled industry intelligence will help ease you through the process of the recruitment effort to a timely and satisfactory conclusion.

Stand No: 120

DataCentres Advice Clinic

– Sponsored by Vincent Byrne Consulting
4 Bushfield, Donnybrook, Dublin, Ireland
Tel: +353 (0) 86 819 6868 Email: vincent@byrnedixon.com

Vincent Byrne launched a new cloud based data centre induction service aimed at saving managers hours on training and record management. If your a data centre manager this service will give you back all that valuable time you spend giving the same lecture on safety and procedures to each visitor to your facility. How much time could you save if all your visitors are trained before they arrive on site. Using a laptop, iPad or smartphone they can take your customised induction course anywhere, anytime. In addition through your own customised portal you can track who was trained, and retain records for ISO 27001 and ISO 9001 auditing. Don't have an induction course, don't worry, we will put one together using our easily customisable material. Visit Vincent at stand 121 and discuss how we can save you time and make you ISO auditing process easier.

DATA centres Ireland

Stand No: 116

DataCentres Solutions Europe

Tel: +44 (0) 7845 377003 Email: Jason.holloway@angelbc.com
Web: www.digitalisationworld.com

DCS Europe was the first data centre magazine to reflect the importance of the gradual convergence of the facilities and ICT functions within the data centre environment, and continues to focus on the three central pillars that underpin today's data centres: Facilities, ICT and Cloud.

Each issue of the magazine contains a balance of news, comment and opinion, technology articles and case studies focusing on the issues that no data centre or ICT professional can ignore as the era of the digital data centre arrives.

Stand No: 116

DCN & NCN Magazine

Suite 146-8 Revenge Road, Lordswood, Kent, ME5 8UD, UK
Tel: +44 (0) 16 3467 3163 Email: Sam@allthingsmedialtd.com
Web: www.datacentrenews.co.uk &
www.networkcommunicationsnews.co.uk

All Things Media Ltd publishes the leading industry trade journal Network Communications News (NCN). NCN was launched in 1998 as Network Cabling News and has built up a dedicated and loyal readership. Well respected by industry experts, the monthly publication has been widely viewed as the number one magazine in the industry for over 12 years.

Stand No: 327

DE Power Solutions

Clonlara Avenue, Baldonnell Business Park, Dublin 22, Ireland
Tel: +353 (0) 1 403 4118 Email: enquiries@dei.ie
Web: www.depower.ie

Established in 1983 DE Power Solutions Limited, is the exclusive distributor in Ireland of KOHLER / SDMO generating sets, a market leader in emergency, prime and standby power generator installations, providing both off-the-shelf and bespoke generators. From an initial site survey and appraisal, we can provide our customers with a complete electrical turnkey package, offering the full range of on-site power services including: delivery, installation, testing, commissioning and on site personnel training. We also provide an annual planned generator maintenance service. This facility not only ensures that a generator is regularly run and tested but that it is also maintained to the highest standards and in accordance with the manufacturer's recommendations.

Our Power Solutions division provides service and spare parts back up for all the generators, engines and other products it distributes throughout Ireland. We maintain, service and repair all other makes of generator. We operate a comprehensive 24/7 emergency call out service, 365 days per year, backed up by our team of mechanical and electrical service engineers. Our national parts network is spearheaded by our Dublin warehouse and supplemented by our regional distribution centres.

Our ability to provide a comprehensive service countrywide, has enabled the Power Solutions division to develop a broad customer base which ranges across major industrial companies, leading financial institutions, government bodies, public utilities, medium to small enterprises and private individuals.

DE Power Solutions Limited are also sole distributors in Ireland for LISTER PETTER / HATZ / KOHLER and LOMBARDINI industrial engines. We would welcome the opportunity to discuss any aspect of the range of products and services it offers and if we can be of any assistance regarding current of future generator projects, please do not hesitate to contact us. Give me a call if you require any additional information.

Stand No: 424

E&I Engineering

Slab Road, Ballyderowen, Burnfoot, Co Donegal, Ireland
Tel: +353 (0) 28 7135 3030 Email: info@e-i-eng.com
Web: www.e-i-eng.com/

E+I Engineering is a leader in the manufacturing of electrical switchgear and power distribution systems. With facilities in Ireland, USA and UAE, E+I Engineering have experience of delivering data centre projects for major blue-chip companies across the globe.

E+I Engineering manufacture a range of intelligent data centre infrastructure including:

- *iMPB - a modular busbar system engineered for rack power distribution.*
- *LV Switchgear - E+I Engineering's range of fully-customisable low voltage switchboards and switchgear is the most compact and flexible type tested LV assemblies in Europe.*
- *Modular Power Skids - Fully assembled switchgear, UPS systems and PDU electrical schemes are pre-mounted and fully tested in our facilities. This enables rapid deployment of power on site, dramatically reducing lead times, improving quality and ensuring an overall reduced cost.*
- *Powerbar - E+I Engineering manufacture a complete power distribution solution with busbar available in ratings up to 6400A.*

Stand No: Outside Exhibitor

Ecologic Data Centres

North Wicklow Technology Park, Newtownmountkennedy, Co. Wicklow, Ireland
Tel: Email: info@ecologicdata.com
Web: www.ecologicdata.com

Ecologic Data Centres The Future of Data Centre Design Cleaner, Greener, Smarter

Ecologic Datacentres will have a model of a fully operational Data Centre at the show with a real time demonstration of 100% Carbon Capture and Wattless Data Centre Design that uses no energy.

North Wicklow Technology Park 150 MW Data Centre will be the first in the world to use this design.

Stand No: 138

EDPAC International

Carrigaline Industrial Park, Carrigaline, Cork, Ireland.
Tel: +353 21 4372850 Email: info@edpac.com
Web: www.edpac.com

EDPAC design and manufacture a full range of precision air conditioning equipment for the Datacentre, telecommunications, speciality storage and building service markets. EDPAC has been supplying products to a worldwide client base for nearly 50 years. Data centre design has become something of a speciality for us because that is where the demand for our services is greatest. We can build complete customised offerings and offer state-of-the-art design solutions around a customer's individual requirements.

Currently EDPAC are on site with some of Irelands largest and high profile Datacentre and colocation providers implementing large scale custom built Free cooling solutions. These solutions incorporate direct and indirect 'Air to Air' and 'Air to Water' technologies.

In recent years we have diversified into carrying out large scale Legacy datacentre CRAC unit and AHU upgrades and have retrofitted modern components including EC Fans, VSD Compressors and Controls upgrades giving our clients up to 90% reduction in CRAC unit running costs.

Please visit us at our stand or contact us in Dublin or Cork for more information.

Stand No: 133

Electricity Exchange Ltd

62 Eastlink Business Park, Ballysimon Road, Limerick, Ireland
Tel: +353 (0) 61 598000 Email: info@electricityexchange.ie
Web: www.electricityexchange.ie

Electricity Exchange is a technology company specialising in the development of next generation Demand Response control and monitoring equipment. Committed to making Ireland a smart grid exemplar, Electricity Exchange operates a number of Demand Side Unit's in Ireland's electricity market. With market leading technology developed with technology giants, Electricity Exchange delivers an unparalleled service. Partners of Electricity Exchange take full advantage of their market-leading technology and expertise. Businesses receive payment for silently and seamlessly being on standby, providing security to Ireland's electricity system. Electricity Exchange clients benefit from full access to high-resolution energy and power quality analytical tools. Electricity Exchange's new IoTAS product allows sites participate in frequency response and other system services thereby offering increased revenue and enhanced analytical reporting at a resolution of up to 8000 times a second.

Stand No: 317

Eltek Power (UK) Ltd

Eltek House, Cleveland Road, Hemel Hempstead, Herts, HP2 7EY, UK
Tel: +44 (0) 14 4221 9355 Email: Sales.GB@eltek.com
Web: www.eltek.com

At Eltek, we are power experts with a sharp focus to develop and provide our customers all over the world with the greatest power solutions available for applications used in a Critical Power Application- where stable, safe and efficient supply of power is crucial.This has been our passion and motivation for more than 40 years: to innovate and lead the way in power conversion. Today we help our customers optimise and safeguard operation of business-critical equipment, reduce their carbon footprint, while at the same time reduce their total cost of ownership of power supply equipment.Our experience includes four decades as a provider of power products and solutions for data centres within telecom and other industries. Today, our offering includes power for all types of data centres, from hyper-sized to micro-sized. Our ambition is to always provide solutions that offer unmatched availability, scalability and compactness, designed to power your data centres into the future.The combination of superior expertise, solutions, support and service make it possible for our more than 2500 passionate and proactive power experts world-wide to provide our customer with a unique, powerful experience. Eltek is a Delta Group company, a leading power and thermal management provider.

Stand No: 307

EMC Ltd

Unit 7 Westlink Commercial Park, Oranmore, Co Galway, H91 AX28, Ireland
Tel: +353 (0) 91 483651 Email: sales@emcs.ie
Web: www.emcs.ie

EMC ltd., are a Galway based company, founded in 2001 and operating with key companies in Pharmaceutical, Medical Device, Food and Plastics Sectors. EMC are an Engineering Services company representing leading Global Brand such as ABB, SMC Pneumatics and Eurotherm, enabling us to supply cutting edge technologies ensuring our clients avail of operational efficiencies and cost reductions. We also supply Energy and water saving technologies to assist our clients in meeting Environmental targets and regulations. At Data CentresIreland, EMC will be exhibiting the following Technologies; Airius Thermal equalisation and De-stratification System, optimising Indoor Air Quality and Comfort as well as reducing HVAC operating Costs.ABB SMISSLINE Critical Power System which reduces costly downtime and optimises Load conditions. RacMet Press Fitting and Pipe system for utility services, improving performance and reliability,and reducing installtion times and disruptions.

Stand No: 325

Emerson Network Power

George Curl Way, Southampton, Hants, S018 2RY, UK
Tel: +44 (0) 23 8061 0311 Email: uk.marketing@emerson.com
Web: www.emersonnetworkpower.co.uk

Emerson Network Power is a global company that protects and optimises critical infrastructure for data centres.

We provide new-to-the-world solutions, established expertise and smart innovation in AC and DC power, thermal management systems, infrastructure management and monitoring, integrated racks and enclosures and power switching and controls.

With presence in over 150 countries and backed by the local service and support of over 3,200 certified professionals, Emerson Network Power is uniquely positioned to provide integrated solutions wherever you are located.

Take a look at the Emerson Network Power Blog and learn about the latest trends, technologies, and featured solutions: blog.emersonnetworkpower.com

Stand No: Sponsor

ESB Innovations

ESB Head Office, 27 Lower Fitzwilliam Street, Dublin 2, DO2 KT92, Ireland
Tel: +353 (0) 1 676 5831 Email: info@esb.ie
Web: www.esb.ie

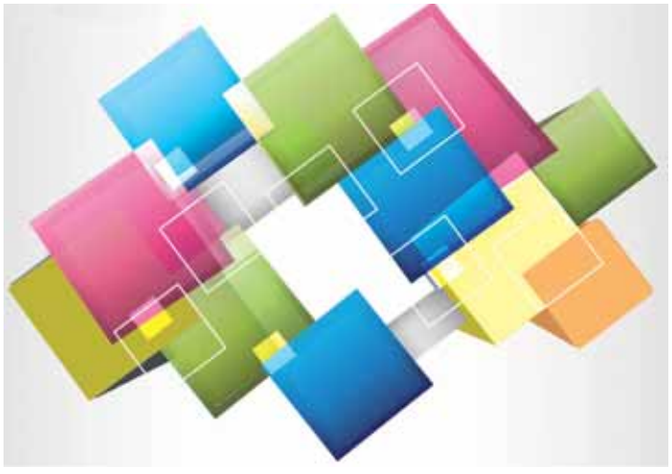
Electricity Supply Board (ESB) was established in 1927 as a statutory corporation in the Republic of Ireland under the Electricity (Supply) Act 1927. With a holding of 95%, ESB is majority owned by the Irish Government. The remaining 5% is held by the trustees of an Employee Share Ownership Plan.

As a strong, diversified, vertically integrated utility, ESB operates right across the electricity market: from generation, through transmission and distribution to supply. In addition, ESB extracts further value at certain points along this chain: supplying gas, using our networks to carry fibre for telecommunications, developing electric vehicle public charging infrastructure and more.

ESB is a leading Irish utility focused on providing excellent customer service and maintaining our financial strength. We have a regulated asset base of approximately €9 billion with 43% of electricity generation capacity in the all-island market. We currently supply electricity to approximately 1.5 million customers throughout the island of Ireland. As at 31 December 2014, ESB Group employed approximately 7,000 people.

Our mission is to bring sustainable and competitive energy solutions to all customers and our vision is to be Ireland's foremost energy company competing successfully in the all-island market.

DATA centres Ireland



Stand No: 217

E-TEC Power Management Ltd

Unit A6, Bymac CentreNorthwest Business Park, Blanchardstown, Dublin 15, Ireland
Tel: +353 (0) 1 820 5999 Email: info@e-tecpowerman.com
Web: www.gb.e-tecpowerman.com

E-TEC adds value every step of the way. Working closely with the consulting engineering community, E-TEC specialises in Datacenter design, build and commissioning. Using it's own datacentre modelling tool - PEARL, E-TEC can create a 3D walk-through model of a proposed design and from it optimise the layout for footprint, operating cost, scalability and more.

E-TEC understands the customer's ICT business needs, and in keeping abreast of the latest innovations and trends in the ICT sector, we design effective infrastructural solutions with appropriate levels of redundancy and scalability, keeping cost, energy efficiency, up-time and future expansion potential in perfect balance. In supplying and installing equipment and project managing from start to finish.

As an Elite Partner of Schneider Electric, E-TEC offers a full range of Datacenter solutions including UPS power and distribution, racks, cooling, containment solutions, infrastructure management tools (DCIM), and raised flooring. In addition E-TEC offers it's own bespoke SCADA compatible solutions, fire protection and a best-in-class in-house service team for ongoing support.

E-TEC Power Management was founded in 1999 in Ireland as a power engineering company, under parent company E-TEC Power International Ltd, and now has established bases in Ireland, UK, Netherlands, Germany and Poland.

Stand No: 314

Etix Everywhere

Etix Everywhere - Smart Data Centers, 45 avenue de la Liberté, L-1931, Luxembourg
Tel: +352 (0) 27 7235 Email: everywhere@etixgroup.com
Web: www.etixeverywhere.com

Etix Everywhere provides local data centers anywhere you need. Because when it's about hosting your data, proximity matters, Etix Everywhere is deploying a global network of local colocation data centers in EMEA and the Americas.And because some companies prefer operating their own data center, we build customized turnkey solutions.Alternatively, if you are willing to get the benefits of owning a world-class data center without the struggles of financing, building and operating one, Etix Everywhere offers joint-venture opportunities as well as financing solutions.

Stand No: 238

Exemplar Energy Solutions

Exemplar House, Unit 623, Harbour Point Business Park, Little Island, Co. Cork, Ireland
Tel: +353 (0) 21 423 2865 Email: jonathan@exemplarenergy.ie
Web: www.exemplarenergy.ie

Exemplar Energy is Ireland's leading energy procurement consultancy. Managing a portfolio in excess of ?200 million, we can ensure that all of our clients benefit from our extensive industry experience. Our multi-disciplined team can provide clear and impartial advice for all energy products available in the market. We work with large enterprises to secure the lowest energy cost for their business.

DATA centres Ireland

Stand No: 130

Flexenclosure

Headquarters, Eriksbergsgatan 10, SE-114 30 Stockholm, Sweden
Tel: +46 (0) 51 042 7000 Email: info@flexenclosure.com
Web: www.flexenclosure.com

Flexenclosure is a designer and manufacturer of prefabricated data centre buildings and intelligent power management systems for the ICT industry. The company provides systems that are fully integrated, modular, factory tested for reliability, adaptable to local conditions and quick to install. eCentre is a custom-designed, prefabricated data centre building that is fast to deploy, energy efficient and easy to expand. eCentre is a future proofed state-of-the-art technical facility that provides a flexible and expandable open floor space and is optimised for energy efficiency. eSite is a hybrid power system for off-grid and bad-grid cell sites delivering 24/7 network uptime and diesel-related cost savings of up to 90 per cent. eManager, an all-in-one toolbox for site power infrastructure management including remote monitoring, power optimisation, KPI reporting and site logistics, is an integral part of the product. Flexenclosure was founded in 1989. The company is based in Vara, Sweden, headquartered in Stockholm.

Stand No: 304

Gas Networks Ireland

P.O. Box 51, Gasworks Road, Cork, Ireland
Tel: +353 (0) 21 453 4000 Email: info@gasnetworks.ie
Web: www.gasnetworks.ie

Gas Networks Ireland is part of Ervia. Our core purpose is to ensure that over 673,000 homes and businesses receive a safe, efficient and secure supply of natural gas, 24 hours a day, 365 days a year. We own, operate, build and maintain the natural gas network in Ireland and connect all customers to the network.Natural gas is the cheapest form of fossil fuels and the most environmentally friendly. To connect your business to the natural gas network, contact businesslink at 1850 411 511 and we will be delighted to assist you.Alternately you can contact us by email businesslink@gasnetworks ie or visit our website www.gasnetworks.ie.

Stand No: 425

Great Lakes International Limited

Unit 14, Aerbridge House, Dunshaughlin Business Park, Dunshaughlin, Co Meath, Ireland
Tel: +353 (0) 1 825 8777 Email: sales@glinternational.com
Web: www.werackyourworld.com

Great Lakes Case & Cabinet is a world leader in the engineering/manufacture of racks, wall mount & Free-standing enclosures, accessories, technical furniture and console systems for the data, communication, broadcast, sound and security industries.Extensive data center experience/expertise, and custom capabilities unmatched in the industry.Great Lakes delivers high quality products with world-class customer service. Great Lakes will display the New High Security Rack "SEAL IT"

DATA centres Ireland

Stand No: 331

Heatload

Unit S6/S7, Brooks Lane Industrial Estate, Brooks Lane, Bosham, Chichester, West Sussex, PO18 8JX, UK
Tel: +44 (0) 12 4357 5106 Email: enquiries@heatload.co.uk
Web: www.heatload.co.uk

With 16MW of load, Heatload is the leading provider of heat load and server emulators for testing datacentres; on sale, rental, installed or fully managed. Supplying to the UK, Europe.With a variety of load types: 2&3kw Single-phase and 9, 15 & 22kw 3-phase floor standing and 2kw & 3.5kw Single-Phase 3u Rack Mounted. 3-Phase units are supplied with 5m leads with 5-pin 32Amp commando plugs. Single-phase units are supplied with 2m leads with C20 plug; adapters to connect to C13, UK 3-pin, 16 or 32Amp Single phase commando sockets. 3-Phase and Single phase power distribution is available.Heatload's rack mounted units were designed in partnership with the end users, mechanical and electrical consultants and IT consultants to closely replicate the characteristics of IT equipment. Units are manufactured in the UK. Units are delivered in Correx© boxes to reduce contaminates introduced into the datacentre. If the IT racks are not yet implemented, Heatload can provide 32u racks, on casters. Temporary blanking panels can be fitted to customer IT racks reducing air recirculation. Heatload can supply temporary temperature and humidity data loggers for use during testing.Installation, monitoring and un-installation works are covered by Method Statements, Risk Assessments and only carried out by fully trained, datacentre aware, experienced staff. Before dispatch, all equipment is cleaned, PAT tested and any repairs completed; ensuring all units are safe and fully operational.

Stand No: 608

Horizon Energy Group

4400 Airport Business Park, Cork, Ireland
Tel: +353 (0) 21 23 55 777 Email: info@heg.ie
Web: www.heg.ie

HEG is the largest Professional Energy Services Consultant on the island of Ireland. Managing contracts in excess of ?1 billion, HEG is the market leader in Energy Procurement, Price Risk Management and Carbon & Sustainability Reporting. Clients range from multi-site SME's to large industrial users, including British and Irish Governments.

Stand No: 121

Host in Ireland *- Chill Out Zone*

The Mews, Eagle Valley, Powerscourt, Enniskerry, Co Wicklow, Ireland
Tel: +353 (0) 86 260 5411 Email: marketing@hostinireland.com
Web: www.hostinireland.com

Host in Ireland is an industry-led initiative specifically developed to generate awareness and recognition of Ireland's benefits as an optimum location to host digital assets. By providing timely and accurate information regarding Ireland's hosting landscape with the help of partner companies, Host in Ireland is redefining industry perceptions. Using a blend of the the 5Ps- Policy, Pedigree, People, Power and Pipes- Host in Ireland is demonstrating and showcasing Ireland's cost-effective, efficient, reliable, secure and accessible infrastructure as compared to most other locations throughout Europe. In June of 2016, in Monaco, Host in Ireland was recognized by the EU Hosting Industry by being awarded the DataCloud Innovative Location of the Year Award.

DATA centres Ireland

Stand No: 614

IFM Electronic Ltd

Unit 7, Kilcarbery Business Park, New Nangor Road, Clondalkin, Dublin 22, Ireland

Tel: +353 1 413 6066 Email: sales.ie@ifm.com

Web: www.ifm.com

When it comes to pioneering automation technology, the ifm group is the ideal partner. Since the foundation in 1969 ifm has developed, produced and sold sensors, controllers and systems for industrial automation worldwide. Today, the ifm group family-run in the second generation with more than 5,000 employees in 70 countries is one of the worldwide industry leaders.

Stand No: 420

Industry & Business Magazine

Unit 51 Parkwest Enterprise Centre, Parkwest, Dublin 12, Ireland

Tel: +353 (0) 1 612 0880 Email: colin@prempub.com

Web: www.industryandbusiness.ie

Industry & Business Magazine is the only publication targeting key decision makers in all sectors of industry and business including Construction, ICT, Food, Pharmaceutical, Medical, Chemical, Technology in Ireland, North & South.On publication 12,700 copies are mailed directly to desks of key decision makers in Irish manufacturing responsible for developing lean and sustainable business practices.Industry & Business Magazine is supported by a dedicated website Industryandbusiness.ie which receives over 70,000 unique visitors per month from all sectors of Irish IndustryThe website also hosts an online exhibition linking key buyers and suppliers in Irish industry. In addition over 33,000 subscribers receive the weekly newsletter.

Stand No: 333

Integrated Facilities Solutions Limited

Unit 11, Block 8, Blanchardstown Corp Park, Dublin 15, Ireland

Tel: +353 (0) 1 809 7262 Email: gharold@ifacsolutions.com

Web: www.ifacsolutions.com

IFS are leading specialists in Digital Information for the whole building & asset lifecycle, our software and value-added services provide a secure structure from Design & Construction Collaboration (IFS Projects Live™) right through to coordination & delivery of the Projects Close out & Handover documentation (IFS Digital Project Manual™ - PRO) to the owner/operator. For each project/client we provide and operate a quality assured process, a focused approach that achieves real results which provides a structure for your design & construction information to your project close-out & handover and compliance documentation. IFS is 16 years in business and has built up significant experience and knowledge in the delivery of innovative software and value-added technical support services, our company has offices in Ireland, UK & US. Organisations specify our product & services for their new and planned Data Centre projects to guarantee a high standard, customisable solution in keeping with the key characteristics of projects, current regulatory compliance and industry best practice for their building & asset information.

Stand No: 321

Intel Data Center Manger

2111 NE 25th Ave, Hillsboro, Oregon, 97124, USA

Tel: Email: ofer.lior@intel.com

Web: www.intel.com

Intel DCM enables IT and facility managers with the tools to improve manageability, increase availability, and reduce costs across key parameters including energy usage, monitoring, security, automation, and cloud. In an era of rapid datacenter evolution, Intel DCM helps you control and optimize your infrastructure and operational expenditures.

Stand No: 127

JAEGGI Hybridtechnologie AG

UK & Ireland Office, 5 The Hollies, Newton, Warwickshire, CV23 0DD, UK

Tel: +44 (0) 17 8886 9000 Email: info@jaeggi-hybrid.ch

Web: www.jaeggi-hybrid.eu

JAEGGI Hybridtechnologie AG, is a successful and long-established Swiss company and is the technology leader in hybrid and adiabatic cooling for chilled water systems in datacentres. Using the natural process of evaporation, JAEGGI hybrid and adiabatic coolers can provide year-round compressor-less freecooling for modern datacenters that utilise ASHRAE TC9.9 thermal guidelines. Hybrid chilled water systems can achieve pPUE values below 1.1 by eliminating mechanical cooling. Jaeggi products are characterised by their excellent reliability, low energy and water consumption and low environmental impact. The company is part of the Güntner Group, an established global manufacturer of heat transfer equipment for refrigeration and air conditioning technology and industrial applications.

Stand No: 419

Kidde Fire Protection

UTC Climate Controls & Security, First Floor, Stokenchurch House, Oxford Road, Stokenchurch, Bucks, HP14 3SX, UK

Tel: +44 (0) 1494 480 410 Email: General.enquiries@kiddeuk.co.uk

Web: www.kfp.co.uk

Kidde Fire Protection is part of UTC Climate, Controls & Security, a unit of United Technologies Corp. one of the world's largest groups of fire protection technology companies. Kidde Fire Protection has a unique world position in the design and manufacture of gaseous suppression systems.

Kidde Fire Protection's clean agent gaseous fire suppression systems are extensively used for protecting high-value assets from the effects of fire and also collateral damage from extinguishing agents like water or powder. They get your operation back to normal quickly with minimal damage and clean-up costs. Ideal for protecting Data Centers business-critical computer and telecoms rooms, and also precious artefacts in archives, museums and art galleries.

Stand No: 240

Kirby Group Engineering

White Swan Business Park, South Circular Road, Dublin, D08 VX59, Ireland

Tel: +353 (0) 1 454 0411 Email: dublin@kirbygroup.com

Web: www.kirbygroup.com

Kirby Group Engineering is a leading provider of multi-disciplinary engineering services, operating in Ireland, the UK and Continental Europe. We deliver a range of services including Mechanical Piping, HVAC, Electrical & Instrumentation, Power Transmission & Distribution and Turnkey solutions. Kirby provides mechanical and electrical services to support mission-critical data centre infrastructure for a prestigious list of clients including Telecity Group, IBM, Vodafone and Ericsson. We have the specialist capabilities to undertake the full scope of a Data Centre project and can deliver real added value through our BIM and LEAN construction techniques which aid coordination across all aspects of construction.

Stand No: 415

Lenel

United Technologies2004 Orchard Avenue, CityWest Business Campus, Naas Road, Dublin 24, D24 XR15, Ireland

Tel: +353 (0) 1 469 9760 Email: customerserviceuk@fs.utc.com

Web: www.lenel.com

Protecting people, assets, communities and infrastructure through our world-class security solutions is what we do at UTC Climate, Controls & Security. With our direct presence in more than 20 countries in Europe, the Middle?East and Africa, our commitment to innovation, ethical business conduct and superior customer service, we believe that we are the right partner for making the world a safer place together with you. Lenel products in Ireland are offered through UTC Fire & Security Ireland, a part of UTC Climate, Controls & Security, a unit of United Technologies Corp. (NYSE:UTX).

OnGuard® is the PROVEN smarter security solution of Lenel. An industry-leading track record of performance is testament to our robust dependability and continuous innovation:

- *Over 20,000 installations in over 90 countries;*
- *Ninety-two of Fortune 100 companies utilize Lenel® products.*

Lenel pioneered the Open Access Alliance Program in 1998; understanding OPEN systems deliver greater value. Today, OnGuard provides integration flexibility – from video management to configuration from a single UI, operating systems to databases, hardware to IP networks and beyond. No one provides a unified experience like Lenel.

Which gets us to the power of CHOICE – delivering versatility only hardware and software independence can offer. Providing ease of integration and scalability that grows with your needs, there are always more options to add cutting-edge, third party products into your OnGuard system.

To find out more, see www.lenel.com

Stand No: 323

Metz Connect

Im Tal, 2D-78176, Blumberg, Germany

Tel: +49 (0) 7702 5330 Email: info@metz-connect.com

Web: www.metz-connect.com

Globally, the importance of networks is ever increasing. The principles of universal, transparent information – from everywhere and at any time – and a communication with devices mapping different processes – define more and more our everyday life. And all of this depends on reliable connection techniques. The core competence of METZ CONNECT is to establish perfect connections. The METZ CONNECT group of companies offer a complete product range that stands out by its maximum system compatibility and continuity. Our sophisticated portfolio and product approach in the data and communication technology market place guarantees smooth data flow from the printed circuit board through to connectors, cables and patch panels up to the infrastructural environment.

Stand No: 606

Microlease Plc

Unit 1, Waverley Industrial Park, Hailsham Drive, Harrow, Middlesex, HA1 4TR, UK

Tel: +44 (0) 20 8420 0200 Email: george.acris@microlease.com

Web: www.microlease.com

Microlease is the expert in test equipment. We equip data centre engineering teams and subcontractors with instruments to complete installation, upgrades and routine maintenance projects. Our services help deploy equipment fast and without stretching capital expenditure, ranging from Rental, Leasing, Buying Pre-Owned to Finance. With over 8,000 product lines and 57,000 instruments available next-day, Microlease is your one source for test equipment. We provide instruments for electrical power test, thermal imaging, and cabling and optical transmission test – all to the latest standards. Data Centres have the flexibility to swap models if different tests are needed so that the correct instrument can be used without compromise and with minimum outlay. Find out more on Stand 606!

Stand No: 104

MM Barcoding Ltd

Barcode House, Shaw, St.Helens, Merseyside, WA10 1EN, UK

Tel: +44 (0) 17 4477 8070 Email: mrtnmulligan@gmail.com

Web: www.mmbarcoding.com

MM Barcoding Ltd. is an international company specialised in barcode products and RFID solutions centered around the following areas: barcode products Label Printers, Thermal Printheads and other barcode products, barcode products Barcode labels and Thermal ribbons, barcode products Maintenance of barcode products, especially label printers and barcode scanners. (Zebra, Intermec, Datamax, Tec, Sato, Symbol...), barcode products RFID solutions - Consultancy and training courses - Design and implementation of RFID systems to customers' requirements

Stand No: 119

Munters Ltd

Knowledge Centre, Wyboston Lakes, Great North Road, Wyboston, Bedfordshire, MK44 3BYUK

Tel: +44 (0) 14 8041 0223 Email: datacentres@munters.com

Web: www.munters.com/datacentres

Munters is a global provider of energy efficient air treatment systems with over 350,000 air treatment systems installed worldwide, offices in 30 countries and over 3000 employees. We are the leading international provider of evaporative air cooling, temperature and humidity control solutions. Our products include systems for industry and commercial buildings which can make energy savings of up to 75% in comparison to conventional building air treatment energy costs whilst improving the indoor air quality. With a wide portfolio of Evaporative Free Cooling options, Munters' team of data centre specialists can provide comprehensive design support to data center cooling engineers and installations include a wide variety of data centres across North America, Europe, Asia and Australasia. When it comes to Data Centres, Munters currently cool over 190MW of rejected heat while achieving low partial PUE results, CO2 emissions & high energy savings.

Stand No: 435

Nicotra-Gebhardt Limited

Unit D, Parkgate Business Park, Rail Mill Way, Rotherham, S.Yorkshire, S62 6JQ, UK

Tel: +44 (0) 17 0978 0760 Email: t.carling@nicotra-gebhardt.com

Web: www.nicotra-gebhardt.com

With more than 50 years of experience manufacturing fans, around 1000 employees, and the most extensive product range on the market, Nicotra Gebhardt are market leaders in fan technology.

Our centrifugal fans are recognised as the most energy efficient available and are well suited for use within Data Centre environments.

We can accommodate fans for series requirements as well as bespoke single projects with production facilities, subsidiary companies and representatives around the world are guaranteeing close proximity to our customers.

Innovative research and development, modern production, quick response times and first class customer service have always been the main pillars of our success.

Stand No: 418

Precision Cables Ireland

Mulholland, Avenue, Co Louth, Ireland

Tel: +353 (0) 42 933 1436 Email: info@precisioncables.ie

Web: www.precisioncables.ie

Precision cables was established in 1980, we are the exclusive distribution channel for draka Uc Connect Lan connectivity solution. Cable solutions to support the development of the worlds infrastructure are of massive importance in the industry we are in. As the world's largest producer of telecoms cables, supporting the infrastructures of many of the world's leading telecoms operators, prysmian group delivers optical fibre and copper cabling solutions that help link communications to communities through data centres around the globe. We offer our own fully owned technology when it comes to fibre optics, our bend bright OM4 design have been a success in the data centre environment. With 40/100 gigabit-Ethernet infrastructures rapidly emerging as the next standard, the draka product range has been extended with a cable program with UC FUTURE cable that meets current requirements regarding packing density in data-centre and will facilitate the move to next-generation 40/100gigibit Ethernet. This includes cat8.x solutions for forthcoming 40GBase-T interface.

Stand No: 122

Primary Integration Solutions Europe, Ltd

Bracetown Business Park, Clonee, Dublin, Ireland

Tel: +353 (0) 1 877 2770 Email: chyland@primaryintegration.com

Web: www.primaryintegration.com

Primary Integration offers full life cycle commissioning and operation risk management (ORM) to mission critical facilities throughout the globe. Our comprehensive processes for validating the electrical, mechanical, plumbing and control systems that support mission critical environments ensures that the critical load is always protected.

The ORM service offering focuses on helping owners, operators and managers of mission critical facilities ensure long-term data centre uptime. Managing the risk associated with mission critical environments implies that you have a program of best practices in operations, maintenance, and change management that aligns with your facility's mission.

Stand No: 303 & Outdoor Exhibit

PSE Power

C4 Centrepoint Business Park, Oak Road, Dublin 12, Ireland

Tel: +353 (0) 1 460 0596 Email: padraig.smith@pse.ie

Web: www.pse.ie

PSE Power provides tailored strategic power management solutions to our clients to meet their diverse needs. By combining our comprehensive product range – standby Generators, UPS systems, CHP systems – and broad range of services with technical expertise and superior delivery, we provide solutions to meet our customers' specific requirements. From initial contact through installation, service and maintenance We provide customers with an unrivalled single source for complete power management, delivering continuing significant energy cost savings.We will be located at Stand 303. Make sure and visit the PSE Power Team!

DATA centres Ireland

Stand No: 108

Reg Farrell Engineering

Unit 19, Oak Road Business Park, Western Industrial Estate, Dublin 12, Ireland

Tel: +353 (0) 1 465 9010 Email: sales@rfe.ie

Web: www.rfe.ie

(RFE) Reg Farrell Engineering & IRISS Inc are pleased to support Data Centre Ireland 2016 and will be exhibiting a range of EMSD (Electrical Maintenance Safety Devices) "Infrared / Thermographic Windows"

In addition, two new product groups will be on show. "Delta-T", for 24/7 monitoring of critical electrical assets and "E-Sentry Connect", an Interactive asset management solution.

Safety of personnel particularly in an energised electrical environment should be of paramount importance.

RFE will also showcase the following products, Lightning & Surge Protection, Cable Management systems, Life Saving 24kV Rescue Kit

IRISS will demonstrate how a safe working environment using electrical maintenance safety devices is also a very cost effective environment, by illustrating how costly downtime can be avoided by using Electrical Maintenance Safety Devices.

RFE will also showcase the following products, Lightning & Surge Protection, Cable Management systems and Life Saving 24kV Rescue Kit & Thermal Imaging Camera's.

These innovative safety products are particularly relevant to Data Centre Engineers, H&S Safety Managers, Electrical Panel Manufacturers, Plant Maintenance Managers, Consulting Engineers, Critical Asset Managers, Facility Managers.

Stand No: 216

Rittal Ltd

Barrowside Business Park, Sleaty Road, Graiguecullen, Carlow, Ireland

Tel: +353 (0) 59 918 2100 Email: sales@rittal.ie

Web: www.rittal.com

Our products provide the basis for "Rittal – The System." The modular system architecture means that our solutions can be tailored to your precise needs and requirements – completely individual, tailored to your company and industry, directly from our standard product range.Based on the modular principle, "Rittal – The System.", the possibilities are almost infinite.

And all from a single source.

Stand No: 316

Server Technology

Fountain Court, 2 Victoria Square, Victoria Street, St. Albans, AL1 3TF, UK

Tel: +44 (0) 17 2788 4676 Email: salesint@servertech.com

Web: www.servertech.com

Server Technology's power strategy experts have provided power solutions for labs, data centres, and telecommunications operations for 30 years. Over 60,000 customers around the world rely on our rack power distribution units and award winning power management solutions to reduce downtime, facilitate capacity planning, improve energy utilization, and drive efficiency. With the best quality rack PDUs, best technical support and most patents in the industry, Server Technology products provide uncompromising reliability, innovation, and value for the data centre. Only with Server Technology will customers Stay Powered, Be Supported and Get Ahead.

DATA centres Ireland

Stand No: 204

SSE Airtricity

Red Oak South, South County Business Park, Leopardstown, Dublin 18, Ireland

Tel: +353 (0) 1 655 6000 Email: contractsales@airtricity.com
Web: www.sseairtricity.com

At SSE Airtricity we're proud to make a difference. From small beginnings we've grown to become Ireland's second largest energy provider, supplying greener electricity and natural gas to around 800,000 homes and businesses on the island, or 20 per cent of the total combined gas and electricity markets here.

We're proud too to be making a difference to the future of Ireland's energy supply. As part of SSE plc, we have invested over ?2 billion, or around ?1 million a day, since 2008 in growing our energy business here – creating jobs in Ireland, sustaining employment, driving competition and greening our economy.

SSE Airtricity is Ireland's largest provider of 100 per cent green energy. In 2015, all of the electricity we supplied to our home and business customers (5.3 TWh) was from 100 per cent green energy sourced by SSE Airtricity, significantly abating over 2 million tonnes of harmful CO2 emissions on the island.*

In energy generation, we now own and operate 1836MW of generation capacity, of which almost 550MW is from 25 wind farms across Ireland. We're also building the 174MW (SSE share 120MW) Galway Wind Park in partnership with Coillte – when completed in 2017 it will become Ireland's largest wind farm.

We've commissioned Ireland's newest and one of its cleanest power plants – the new 464MW Great Island CCGT unit (grid connection capacity set at 431MW) in Co. Wexford which can generate enough energy to power over half a million Irish homes. Coinciding with the retirement of the old 240MW heavy fuel oil unit at the same site, the transition to gas has improved the carbon intensity of SSE's fleet and significantly decarbonises energy generation in Ireland. In addition, SSE estimates that Great Island will save Irish energy customers in excess of ?50 million per year as one of Ireland's most efficient power plants, and it will provide additional savings when full grid access is delivered.

At SSE Airtricity we adopt a responsible approach to managing our social, environmental and economic impacts to ensure the long-term viability of the business. In addition to being Ireland's largest provider of 100 per cent green energy SSE Airtricity is also the third largest financial contributor to charities and community groups in Ireland – in 2015, we donated more than €1 million to local projects and good causes, as well as volunteering over 3,500 hours?.

SSE was the first large corporate business in Ireland to become a Living Wage employer – from 1 January 2016 SSE guarantees all its employees a Living Wage of at least €11.50 an hour.

**Total GWh supplied to homes and businesses based on Electricity Market Share by MWh published by the Commission for Energy Regulation (CER) in Retail Market Reports for the periods Q1-Q4 2015. Quoted CO2 emissions abated based on Average CO2 Emissions (t/MWh) in 2015 in the All-Island Single Electricity Market, and published by the CER in its Fuel Mix Disclosure and CO2 Emissions for 2015, August 2016. ? Business in the Community Ireland (BITCI) Business Impact Map 2015.*

Stand No: 125

Starline

Universal Electric Corporation, 168 Georgetown Rd, Canonsburg PA, 15317, USA

Tel: +44 (0) 7506 030222 Email: info@uecorp.com
Web: www.starlinepower.com

Universal Electric Corporation (UEC), the manufacturer of STARLINE, is a global leader in power distribution equipment. For more than 25 years, STARLINE Track Busway has provided data centres with the most flexible, reliable and customizable overhead power distribution systems on the market today.

Other STARLINE products include the Critical Power Monitor (CPM), which works in conjunction with STARLINE Track Busway to improve energy efficiency; Plug-In Raceway, the flexible, wall-mounted power distribution system; and DC Solutions, the revolutionary 380V direct current alternative for data centres.

Stand No: 213

Stay Online

U Trati: 214, 252 61, Dobroviz, Czech Republic

Tel: +42 (0) 21 115 1361 Email: eusales@stayonline.com
Web: www.stayonline.com

Founded in 1987, Stay Online manufactures and distributes the largest selection of power cords and plug adapters in the world. As a CRN Top Infrastructure Technology Vendor, we are constantly expanding our offerings and capabilities to better serve our customers. We recently opened a new distribution center in Prague, Czech Republic and now ship from the US, Czech Republic, and China. Organize your equipment by using our angled and splitter cords, or our wide choice of IEC 60320 locking cords. Stocking a large variety of C5, C6, C7, C13, C14, C15, C19, C20, C21, and country cords, we give customers the greatest choice with the quickest delivery. Our ISO 9001:2008 Certified QMS assures full traceability from raw copper rod to installation, removing the constant threat of counterfeit and substandard cords.

Stand No: 409

Steplift Limited

Unit 31, Block 503C, Greenogue Business Park, Rathcoole, Co. Dublin, D24 W996, Ireland

Tel: +353 (0) 1 401 9640 Email: info@steplift.com
Web: www.steplift.com

Steplift Limited, the material handling problem solver and solution provider. Steplift aim to provide Data Centre's with safe and permanent solutions to their material handling needs. We offer the Racking System Mover, which is a motorized tug machine with a unique attachment for safely manipulating server racks. Also the Server Lifter designed for the safe installation of servers throughout Data Centres.

We provide the following: -

- *Site Inspections and Surveys*
- *Material Handling Consultancy*
- *Bespoke Solutions*
- *Certified Product Training*
- *Full Back Up Service.*

Looking forward to meeting you all at Stand Number 409.

Stand No: 203

Sungard Availability Services

Unit 5 Beckett Way, Park West Business Park, Dublin 12, Ireland

Tel: +353 (0) 1 467 3650 Email: infoavail@sungardas.com
Web: www.sungardas.ie

Sungard Availability Services ("Sungard AS") is a leading provider of critical production and recovery services to global enterprise companies. Sungard AS partners with customers across the globe to understand their business needs and provide production and recovery services tailored to help them achieve their desired business outcomes. Leveraging 35 years of experience, Sungard AS designs, builds and runs critical IT services that help customers manage complex IT, adapt quickly and build resiliency and availability. Visit Sungard Availability Services at www.sungardas.ieor call (+353) 01 467 3650. Connect with us on Twitter and ourBlog

Stand No: 212

Weatherite

Weatherite House, Credenda Road, West Bromwich,
West Midlands, B70 7JE, UK
Tel: +44 (0) 121 665 2266 Email: sales@weatheritegroup.com
Web: www.datacentre-cooling.com

With over 40 years expertise, Weatherite Air Conditioning Ltd is one of Europe's leading data centre cooling equipment manufacturers- delivering a range of innovative, energy saving, low PUE solutions for today's mission critical IT environments.

Whether you're building a new data centre, expanding your existing facility or upgrading the cooling within your current data centre or server room, Weatherite will design, manufacture, test, pre commission and deliver 'exactly' the right cooling solution for your specific needs.

If requested, we can also install and commission the equipment as well as offer full service & maintenance support- to suit the client's specific requirements.

If your data centre needs cooling-call the experts!

Stand No: 210

Wisetek

GB Business Park, Little Island, Cork, Ireland
Tel: +353 (0) 21 455 6920 Email: enquiries@wisetek.net
Web: www.wisetek.net

Wisetek is a global provider of end-to-end IT Asset Disposition services. Leaders in the Circular Economy, Wisetek's priority is the recovery of material - either for reuse within our client's operations or for remarketing to our global network of buyers through Wisetekmarket.com. These reuse priorities assure our clients that they receive optimal financial returns and achieve maximum sustainability levels. Material no longer required is recycled to the highest environmental standards.

Wisetek operate from bases located in EMEA, USA & Asia. Clients include the world's leading IT hardware manufacturers and data centres.

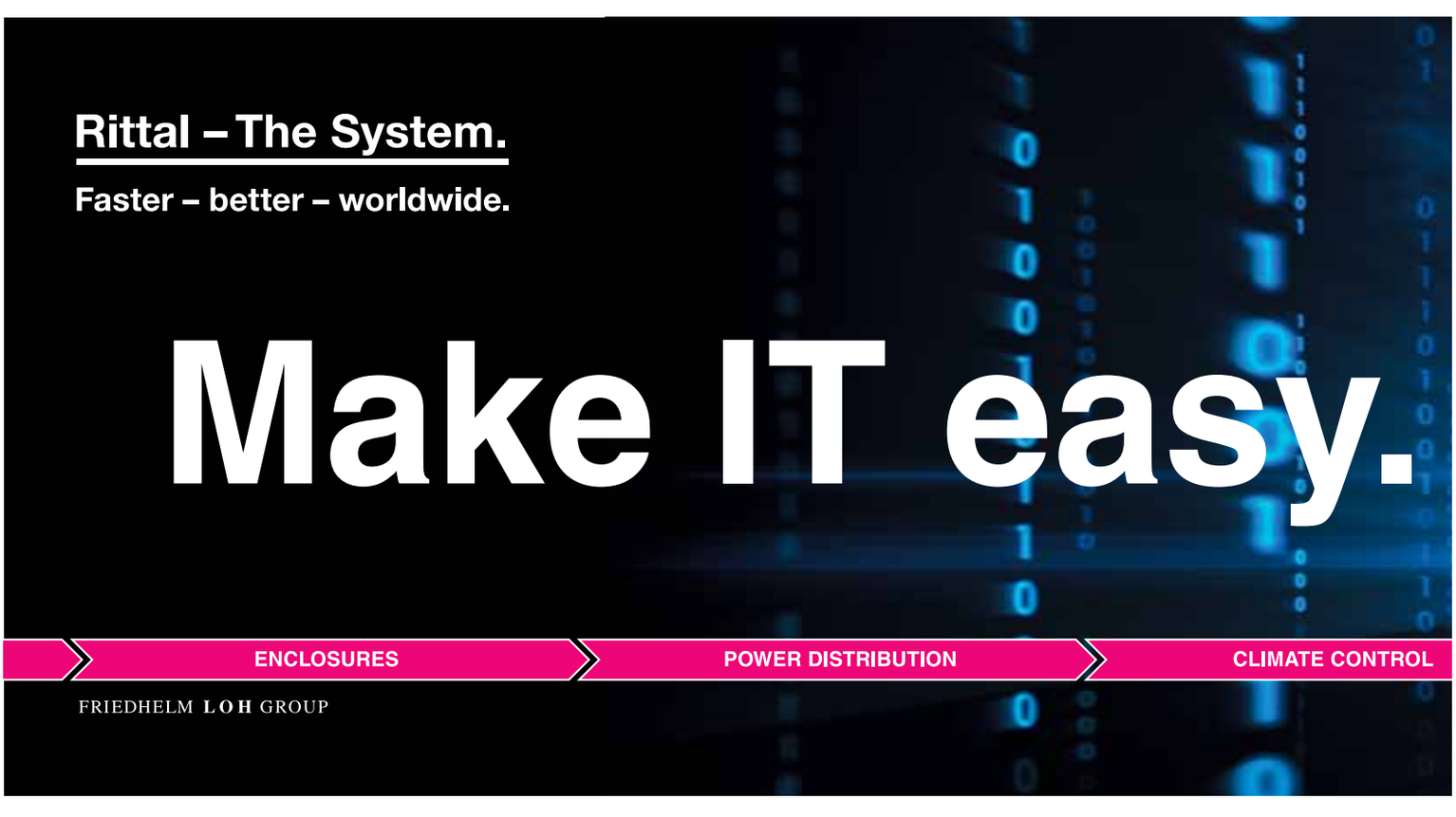
Stand No: 233

Zayo Group

4th Floor Harmsworth House, 13-15 Bouverie Street, London,
EC4Y 8DP, UK
Tel: +44 (0) 20 7220 3800 Email: ukenquires@zayo.com
Web: www.zayo.com

Zayo Group (NYSE: ZAYO) provides Communications Infrastructure services, including fibre and bandwidth connectivity, colocation and cloud services to the world's leading businesses. Customers include wireless and wireline carriers, media and content companies and finance, healthcare and other large enterprises. Zayo's 112,000-mile network in North America and Europe, includes extensive metro connectivity to thousands of buildings and data centres. In addition to high-capacity dark fibre, wavelength, Ethernet and other connectivity solutions, Zayo offers colocation and cloud services in its carrier-neutral data centres. Zayo provides clients with flexible, customised solutions and self-service through Tranzact, an innovative online platform for managing and purchasing bandwidth and services.

DATA centres Ireland



Over 50% of Irish Businesses suffered at least one data breach in 2015

55% of Irish organisations have seen company data stolen, hacked or otherwise compromised largely due to “negligent employees”. Are you protecting your data?

In Ireland information security is now a serious threat for Irish businesses with two in five now rating external hacking as one of their top three IT threats, according to a survey by Irish Computer Society. A third of Irish firms say they have seen sensitive data slip out once in 2015, while a further 22% say it has happened multiple times in the same time period.

A big issue which Irish organisations have is that they are simply unaware if they have been hacked. According to the survey a quarter are unaware if they have let sensitive data slip out. A common reason for this is down to a lack of training and policies being implemented within an organisation. Based on this survey, 41% of those who are made responsible for data protection issues within companies have had insufficient or no training. Furthermore, over 25% of Irish companies have taken no measures to protect against external data breach threats or are "not sure" whether they have done so.

The survey also revealed that companies are unclear about who is liable if a breach occurred. 41% of Irish company executives say that they would face official sanctions in the case of a data breach, while 58% say there would be no sanction or they were unaware of such sanctions.

This should now become more clear with the introduction of new EU legislation called General Data Protection Regulation (GDPR). This will be the first legislation that will apply to all countries that process data of EU residents. The GDPR states by May 2018 any organisation that holds EU client’s data and do not acknowledge a breach will face fines up to 20 million euro.

Currently, just 65% of Irish executives say that their firm had an official data breach policy. Meanwhile, over a third of Irish companies are "not confident" that staff know what procedures to follow in the event of a data protection incident. This means that organisations based in Ireland across Europe need to begin implementing information security policies that show they’re actively protecting their client’s data.

CERTIFICATION EUROPE™

Based on the statistics it is clear human error plays a factor when data is compromised. To prevent data breaches from occurring organisations are now implementing information security frameworks that will allow transparency for all staff to ensure best practices are maintained resulting in a secure system for data.

One such system is ISO 27001 Information Security Management System. This is a globally recognised best industry standard, which provides organisations with a framework to ensure best practices are being incorporated and maintained. This can be adapted to any organisation regardless of size, or number of locations. The standard also provides a framework on how best to manage a data breach if it occurs.

From our experience of working with client’s that implement systems like ISO 27001 and go for certification, having a management system in place provides confidence assurance certainty to clients, employees and stakeholders alike that you are managing the risk of future security breaches to the highest industry standards.

Also, with the newly introduced GDPR coming into effect, ISO 27001 certification will help your business comply, plus any further Information security legislation.

If you would like to learn more about ISO 27001 and how it can be adapted to suit your company’s needs, speak to one of our advisors.

Exhibitor List – Stand No.

Stand No	Exhibitor
104	MM Barcoding Ltd
108	Reg Farrell Engineering Ltd
116	Media Centre
119	Munters Ltd
120	DataCentres Advice Clinic - Sponsored by Vincent Byrne Consulting
121	Chill out Zone Host In Ireland
122	Primary Integration Solutions Europe, Ltd
125	Starline
127	JAEGGI Hybridtechnologie AG
130	Flexenclosure
131	Business Solutions Magazine
132	Caulfield Industrial Ltd
133	Electricity Exchange Ltd
138	Edpac International Limited
203	Sungard Availability Services
204	SSE Airtricity
210	Wisetek
211	Bord na Mona Plc
212	Weatherite
213	Stay Online
214	Cross-Guard (Part Of Bradbury Group Ltd)
215	Certification Europe
216	Rittal Ltd
217	E-TEC Power Management Ltd
231	CBRE DCS
233	Zayo Group
238	Exemplar Energy Solutions
240	Kirby Group Engineering
303	PSE Power
304	Gas Networks Ireland

Stand No	Exhibitor
307	EMC Ltd
314	Etix Everywhere
316	Server Technology
317	Eltek Power (UK) Ltd
319	Aggreko UK
321	Intel Data Center Manger
323	Metz Connect
325	Emerson Network Power
327	DE Power Solutions
331	Heatload
333	Integrated Facilities Solutions Limited
405	Clarke Energy Ltd
409	Steplift Ltd
415	Lenel
418	Precision Cables Ireland
419	Chubb Ireland/Kidde UK
420	Industry & Business Magazine
423	Carrier Rental Systems
424	E&I Engineering Ltd
425	Great Lakes International Limited
427	Datacenter People
435	Nicotra-Gebhardt Limited
604	Cham Ltd
606	Microlease Plc
608	Horizon Energy Group Ltd
610	Butler Technologies
614	IFM Electronic Ltd
Out Door Exhibit	Ecologic Data Centres
Out Door Exhibit	PSE Power Sponsor ESB Innovation

Exhibitor List – *Alpha Order*

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211	Brod na Mona Plc
131	Business Solutions Magazine
610	Butler Technologies
423	Carrier Rental Systems
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231	CBRE DCS
215	Certification Europe
604	Cham Ltd
419	Chubb Ireland
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317	Eltek Power (UK) Ltd
307	EMC Ltd
325	Emerson Network Power
217	E-TEC Power Management Ltd
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119	Munters Ltd
435	Nicotra-Gebhardt Limited
418	Precision Cables Ireland
122	Primary Integration Solutions Europe Ltd
303	PSE Power
108	Reg Farrell Engineering Ltd
216	Rittal Ltd
316	Server Technology
204	SSE Airtricity
125	Starline
213	Stay Online
409	Steplift Ltd
203	Sungard Availability Services
212	Weatherite
210	Wisetek
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open eir and Aqua Comms agree multi-year deal worth more than €5m

The deal will enable open eir to provide a high-capacity fibre link to connect Aqua Comms' transatlantic AEConnect cable system to data centres in Dublin.

- **open eir to provide dedicated high capacity fibre connection from Killala to Dublin for Aqua Comms Ltd**
- **Data centres in Ireland, the UK and US will enjoy increased high-speed interconnectivity across this 350 km link**
- **A vital link in a major route between North America and Europe, as part of Aqua Comms' transatlantic cable serving social media, cloud and telecoms companies based in Ireland and abroad**
- **Investment enhances Ireland's proposition as a destination for major global data centres and ICT companies**

Open eir, Ireland's largest wholesale communications services provider, has been chosen by Aqua Comms to provide an ultra-high capacity fibre link to connect Aqua Comms' transatlantic AEConnect cable system to bandwidth-hungry data centres in Dublin.

The fibre provided by open eir is a fundamental building block for the Aqua Comms network, providing ultra-high capacity, transatlantic data-centre-to-data-centre connections for some of the world's leading social media, cloud and telecoms companies. As a result, data centres in Ireland, the UK and US will enjoy increased high-speed interconnectivity.

The multi-million-euro deal enables Aqua Comms to connect its $300M, 5,536km transatlantic subsea cable system to Dublin data centres from its Killala cable landing station through this 350km terrestrial fibre connection. From Dublin, the system links to the existing Aqua Comms Irish Sea Fibre network, CeltixConnect, and on to Wales and major data centres in London. On the US side, the cable landing station connects to major data centres throughout New York City and New Jersey.

open eir's connectivity provides one of the diverse routes across Ireland and reinforces AEConnect's position as the most reliable and secure transatlantic cable system. Its unique levels of subsea reliability are achieved by avoiding major fishing grounds and shipping anchorage areas, as well as minimising the length of route in shallow water areas on the continental shelves. Along with its highly secure routing, AEConnect also delivers some of the highest transatlantic optical capacity able to eliminate slow bottlenecks that have existed in the past..

open eir to provide high capacity fibre connection from Killala to Dublin in Aqua Comms deal worth more than €5m. Pictured at the announcement are (L-R): Martin Reilly, vice president of sales, cloud and content, Aqua Comms; and Adrian Marron, Head of Sales & Service Management, open eir.

Martin Reilly, vice president of sales, cloud and content, Aqua Comms, said: "We are seeing a surge in bandwidth demands from data centres, cloud networks, financial services companies, carriers and content providers on AEConnect.

"We needed a flexible and responsive terrestrial wholesale partner that could provide the fibre capacity, reach and security to reliably connect the cable landing station in Killala to our data centre locations in Dublin. As our customer needs expand, we require the ability to scale the network capacity. open eir's proposition met our needs and they were able to complete the work ensuring Aqua Comms' challenging timescales were satisfied."

Speaking about the agreement, Adrian Marron, Head of Sales & Service Management, open eir, said: "Dublin is already home to one of the largest clusters of data centres in Europe. Several IT multinationals currently have vast data centres under construction here as an increasing number of US companies view Ireland as a key entry point to access large European markets.

"By partnering with open eir, Aqua Comms' customers are guaranteed one of most secure and fastest transits from major Dublin-based data centres to New York, London and Europe. We are delighted to provide such a key link in this fantastic infrastructure that bolsters Ireland's reputation as one of the best locations to build data centres."

About Aqua Comms Limited

Aqua Comms Limited (Aqua Comms) is the owner and operator of the transatlantic cable AEConnect and the Irish Sea cable CeltixConnect, and was established to build, acquire or merge with subsea fiber optic cable networks to provide capacity networking solutions to the global media, content providers and IT companies. To learn more about Aqua Comms and its new transatlantic subsea cable system, AEConnect, visit www.AquaComms.com.

About open eir

Open eir is the wholesale division of eir. The division is the largest wholesale provider in Ireland with more than 40 operators using the network.

eir is the principal provider of fixed-line and mobile telecommunications services in the country. The company has the most extensive fixed and mobile network in Ireland and provides a comprehensive range of advanced voice, data, broadband, TV and ICT services to the residential, small business, enterprise and public sector markets.

The company has over 3,000 full time employees. The cornerstone of the company's current €2.5 billion strategic investment programme is the construction of Ireland's largest fibre broadband network that will reach 1.9 million homes and businesses by the end of 2020 using FTTC and FTTH technologies.

High energy efficiency and safety with Munters Oasis™ cooling system

Net-Build® GmbH in Saarwellingen, Germany, was founded in 1999 by Mr. Patrick Bohn. Providing IT services as System Management, Business Solutions and Rack Hosting, the company today has 20 employees.

The increasing data traffic and demand for storing and protection of data in general, recently created a need for extending Net-Builds Data Centre capacity. Managing a visionary and environmentally conscious company, Mr. Patrick Bohn was looking out for new and energy efficient solutions when he decided to build a new state-of-the-art Data Centre.

In the planning phase, Net-Build partnered with the local contractor E-TEC Power Management GmbH, that supplies turnkey Data Centre solutions with the highest attention on safety and energy efficiency. Together with Munters, E-TEC worked out an energy efficient cooling solution, based on Munters' indirect evaporative cooling system Oasis™.

Providing first class services

Located exactly on the Internet connection line from London to Frankfurt, Net-Build is able to guarantee their customers a fast and secure connection.

A high level of security applies to both entry control and the operation of the new Data Centre. Customers will benefit from being hosted by a Data Centre that saves the environment 107 tons CO2 per year by using the most modern technologies.

Net-Build customers are ranging from small private organisations to bigger industrial businesses and already 2 months after the inauguration of the facility, almost 1/3 of the racks are filled with servers.

Mr. Patrick Bohn, Net-Build GmbH, with Mr. Anton Immerz, Munters GmbH

Energy efficiency of utmost importance

Net-Build can host up to 12.000 servers in 320 racks, placed in 2 identical, (but of safety reasons separated) and mirror-handed rooms.

To prevent drop outs in case of failure in the mains supply, the Data Centre is equipped with double emergency power systems, ensuring that a break down is only a theoretical issue.

To cope with the heat load generated by the servers, installation of efficient cooling was crucial. With an IT load in the Data Centre of up to 2 MW when fully loaded, E-TEC and Munters specified 8 pcs. Oasis™ 200 units for the facility. The units were designed to be installed on the roof, directly above the hot aisles, whereby expensive duct work and loss of static pressure could be avoided.

The erection of the building was completed in only 6 months and Mr. Bohn, Net-Build GmbH, expresses his satisfaction with both the building and the cooling system:

"Our Data Center stands out by being extremely energy efficient, with a calculated PUE below 1,2.

At the same time the safety is in top, and since the Munters cooling system is running without or chilled water, the operational reliability is very high". The 8 Oasis™ 200 units placed on the roof are grouped to match the interior lay-out with 2 mirrorhanded rooms. Each section has one OASIS unit kept for redundancy.

Munters
Your Perfect Climate

The design condition in the server aisles is laid out for a temperature at 20°C, allowing a max. temperature at 24°C.

In case of very hot summer days, an integrated 36 kW DX chiller will start operating, which is expected to be necessary in only 4% of the time. For the remaining 96% of the year, the indirect air-side economizer based on a polymer-tube heat exchanger will supply the cold air.

The Oasis™ 200 units are placed on the roof, directly above the server aisles.

This air is led to the buildings cold aisle and distributed into the hot aisle through openings in the floor. The warm air from the servers is exhausted from ducts in the ceiling and returned to the Oasis™ units.

This principle also excludes the risk of pollution from outside air, since the air recirculates and eliminates the need of further filtration. The Oasis™ units are all connected to the facility's BMS system allowing for easy surveillance and control.

To learn more about the Oasis™ principle: www.munters.com/Oasis

EU Parliament vote in favour of climate change agreement

European Union move a big step forward in tackling climate change but what does this mean for Irish businesses?

Last month the European parliament voted overwhelmingly to approve the Paris Climate Change Agreement which was first brokered in late 2015. The vote allows the agreement to be ratified by the European parliament which was agreed upon by 195 countries at the Paris climate change conference (COP21) in December 2015. The agreement sets out a global action plan to put the world on track to avoid dangerous climate change by limiting global warming to well below two degrees.

What does this mean for Ireland?

As part of the Paris agreement, Ireland has committed to reduce greenhouse gases by at least 40% by 2030. At the time Minister for the Environment Alan Kelly said "the Paris Agreement sends an unequivocal message to business, stakeholders and citizens that all Governments are committed to playing their part in addressing the challenges posed by climate change".

Legislation like this has positioned Ireland as a global leader in relation to tackling climate change. Ireland has long been at the forefront of developing initiatives that allow organisations both in public and private sectors to not only reach new levels of energy efficiency, but also become more financially stable which allows for growth, new jobs and profits. A recent example of this was the introduction of Ireland's first ever climate change legislation, the Climate Action and Low Carbon Development Act 2015. The legislation is designed to continue the process of pursuing a transition to a low carbon and climate resilient economy.

What does your organisation need to do?

The pathway to reaching these new energy targets set out in the Paris agreement and in fact any future EU energy targets will simply come down to how best to manage your organisation's energy usage. The answer for many Irish companies in recent years has been to integrate an energy management system that can be followed by all staff and improve operational efficiency across the organisation.

CERTIFICATION EUROPE™

By implementing an ISO management system some of the benefits include becoming more economically efficient due to the high energy savings, plus an improved corporate image and credibility among stakeholders and clients both existing and potential in the public eye.

ISO 50001 provides a framework for establishing energy management best practices to help organisations improve their energy efficiency in a logical, controlled and systematic way. The purpose of the International Standard is to enable organisations to establish the systems and processes necessary to improve energy performance, including energy efficiency, use, and consumption.

Certification Europe have certified a wide variety of organisations to the energy standard, in 2016 alone Public Authorities, National Universities, companies in Tech and Food & Beverage sectors have all switched to ISO 50001 with huge returns both from a financial and environmental point of view.

The Paris agreement set new targets which can seem daunting to achieve, however, by implementing an energy management system such as ISO 50001 this will provide the best path forward to success. Within twelve months of implementation organisations on average see a reduction of 10-15% of greenhouse gas emissions. The long term benefit of ISO 50001 is that it provides the opportunity to continuously improve and can be adapted to ensure energy targets can be hit by the 2030 deadline.

If you would like to know how your organisation can benefit from ISO 50001 contact Certification Europe by phone 01 642 6300 or visit our website www.certificationeurope.com

Ireland's big Red Cloud and Westcoast partner in deal set to be worth over €2m over 8 years

Big Red Cloud, Ireland's leading supplier of accounting software to SMEs, have signed an agreement with , the largest IT distributor in the country. The deal will see Westcoast, who have a network of over 600 resellers throughout the country, distribute Big Red Cloud to all reseller customers – who will then be able to sell it on to a variety of small to medium sizes businesses nationwide. Big Red Cloud forecast the deal to be worth over €2million in revenue to the business over the next 5 – 8 years.

Announcing the partnership, Marc O Dwyer, CEO of Big Red Cloud,

"This is a huge development for us and something we've been working towards for some time. In terms of our target market Westcoast is a perfect fit as a partner to distribute our product – not only is it the largest IT distributor in Ireland, but it has a stellar reputation and is held in high esteem by those within the sector. They work with top brands such as Microsoft, HP, Lenovo, Apple and Aruba, and they also have 5000 partners in the UK – so it is a trusted organisation with which we are proud to be associated"

Big Red Cloud say that, based that on their forecasts, this partnership will results in over 1,000 new Big Red Cloud customers per annum. The deal comes on the back of Big Red Cloud's relationship with Microsoft who facilitated the introduction.

Big Red Cloud say they now have a very strong foothold in the Irish market but they have no plans to slow down.

The engine powering Ireland's most successful companies

US headquartered Sungard Availability Services is the Dublin-based company that provides critical IT production and recovery services to some of Ireland's best-known, most successful names.

These leading companies recognise that in today's non-stop business world, without highly available IT, their organisations simply could not function or deliver the promises their customers demand of them. Sungard AS is the technology partner they rely on to enable them to keep those promises.

FUJIFILM

FUJIFILM, for example, must ensure the images at the heart of its business are always readily accessible. Its popular Imagine product allows people to print their digital photos on a variety of items including photo books, mugs, coasters, clothing and keyrings to make personal gifts and mementoes. If consumers were unable to instantly access their photos the service would grind to a halt and FUJIFILM's reputation would suffer irreparable damage. High availability around the clock is critical.

Consequently, FUJIFILM stores its images on a private cloud provided by Sungard Availability Services, which comes with a Service Level Agreement-backed commitment to 99.99% availability. The technology platform also gives FUJIFILM the scalability and flexibility it needs to fulfil its worldwide expansion ambitions.

Brandtone

Mobile marketing specialist Brandtone's business centres on successfully exploiting the ubiquity of mobile phones to promote its clients' brands and produce a measurable return on their marketing investment. As this involves engaging with over a billion consumers worldwide Brandtone needed a secure, segregated and scalable cloud service to host the huge databases of shoppers' details acquired through its campaigns.

Brandtone relies on Sungard AS' enterprise-class Managed Private Cloud platform, which provides a robust environment for its systems and extremely valuable data. Resilience is assured through global load balancing, multiple internet carriers, managed firewall, two-factor authentication and DDoS attack mitigation solutions.

The flexibility of the Sungard AS cloud environment has been crucial in accommodating Brandtone's phenomenal growth rate. Each component of the resource pool is individually flexible – from available processors, memory and storage to number of instances and bandwidth.

MicksGarage.com

As for online car parts supplier MicksGarage.com, its business is as much about technology as the spare parts it sells. With more than 6.5 million product listings on offer and customers needing their spare parts urgently, the firm's success hinges on the speed and reliability of its IT infrastructure and streamlined business processes.

Sungard AS provides a resilient, multi-tenant cloud solution that gives the firm the high availability and scalability it needs to manage the complex logistics operation. Two enterprise cloud servers with load balancing and a redundant physical server ensure there is no single point of failure and enable the firm to cope with sudden spikes in demand.

Other prospective providers were fazed by the difficulty posed by managing (and recovering if necessary) a hybrid environment consisting of both physical and virtual servers. However, our heritage in recovery and continuity – amassing more than 35 years' experience of keeping customers' critical systems up and running – means whatever scenario customers face, we are likely to have seen it before.

We take a business outcome-focused approach that starts with understanding the customer's business and then working with what they have. It's an approach valued by our many Ireland customers who also include multistore gift card One4All, the web-based Hibernia College and the Royal College of Physicians in Ireland.

Channel Partner Program extended into Ireland

Sungard AS has recently extended its highly successful Channel Partner Program across Europe. The multi award-winning programme operates as a collaborative selling model in which Sungard AS works alongside our partners to provide joint customers with complete solutions, thus helping them meet growing demand for 'as a service' delivery models and Opex financing.

Carefully selected partners have a choice of several tracks that allow them to offer Sungard AS cloud, cloud recovery and managed application solutions, plus a host of hybrid IT offerings to their customers and thus build an ongoing revenue stream. Prospective partners can find out more at www.sungardas.ie/partners

Connect with us:
t: 1800 938 122
www.sungardas.ie
LinkedIn
Facebook
Twitter
YouTube.

Rural Ireland has a huge economic opportunity, says Google chief

Harris was speaking ahead of National Digital Week which coincides with the second call of the Skibbereen-based Ludgate seed capital fund, valued at €450,000.

National Digital Week aims to develop entrepreneurship by making digital accessible for all, and is the only event of its kind in a non-urban area in Ireland.

Between 10 and 12 November, some 1,600 entrepreneurs, digital marketers, technology enthusiasts and those embarking on a digital journey will descend on Skibbereen in Cork.

National Digital Week 2016 is attracting over 80 speakers including Ben Verwaayen, former CEO of Alcatel-Lucent and founding partner of Keen Venture; Mark MacGann, senior board advisor at Uber; David Puttnam, Ireland's Digital Champion and Oscar-winning film producer; Gráinne McCarthy, London Bureau Chief at Wall Street Journal; and Ronan Harris, VP of Sales at Google EMEA and head of Google Ireland.

Established in 2015, the 10,000 sq ft Ludgate digital hub at the refurbished Old Bakery building is to create 500 new jobs over the next five years, with an initial 75 or more jobs guaranteed in the start-up phase.

"At Google, we believe that there is a huge economic opportunity for rural Ireland as more and more people build successful businesses online," said Harris, who recently described Ireland as the data capital of Europe.

"Skibbereen is leading the way and we're delighted to bring the Google stage to National Digital Week. We've gathered together some of Ireland's leading online entrepreneurs to share their insights, and the Google stage will be a hive of innovation and inspiration for entrepreneurs looking to expand their businesses on mobile and using YouTube."

'At Google we believe that there is a huge economic opportunity for rural Ireland as more and more people build successful businesses online'

– RONAN HARRIS

Geography is no longer a restricting factor as long as Ireland continues investing in future proofing broadband connectivity. Loch Hyne The digital economy is a major opportunity to supercharge rural Ireland, according to the head of Google Ireland, Ronan Harris.

Gigabit society

Opened in July, the Ludgate Digital Hub is the first rural hub to receive a 1Gbps provided by Vodafone, as the town is connected to Siro's 100pc fibre-optic broadband network.

"Vodafone is focused on and committed to delivering a 'gigabit society' in Ireland; where access to 1Gbps broadband speed is accessible, regardless of where in the country a person lives," Vodafone Ireland CEO Anne O'Leary explained.

"The benefits of connectivity through high-speed broadband to homes and businesses countrywide is huge in terms of bridging the urban/rural digital divide and facilitating economic recovery," said O'Leary, who will be speaking at National Digital Week.

Black Duck Software forms Open Source Security Research Group in Northern Ireland

Black Duck, a global leader in automated solutions for securing and managing open source software, has announced the formation of its Belfast-based Open Source Security Research Group during an event at Invest Northern Ireland's headquarters in Belfast.

Black Duck worked closely with Invest NI on the initiative, and Black Duck said it expects to add almost 60 jobs in Northern Ireland over the next four years.

The Northern Ireland group is a component of Black Duck's global Center for Open Source Research and Innovation (COSRI).

COSRI is based at Black Duck's Massachusetts headquarters. The Northern Ireland group will play a major role in COSRI's research work by analyzing open source security issues and attack patterns, and by providing customers with actionable information on vulnerabilities, corrective actions to reduce risk and strategies for effective, secure use of open source.

Black Duck CEO Lou Shipley attended the event and said "Since creating COSRI earlier this year, we have been increasing our strategic investments in open source security research and innovation worldwide. Northern Ireland has the depth of security research talent to meet many of our needs in the near term and in the future.

"Invest NI very quickly proved to us that Northern Ireland had both the high-quality tech professionals to meet our open source security research needs and an impressive array of cybersecurity-focused businesses that will continue to attract more attractive candidates to the region. Invest NI's guidance and support played a vital role in making this engagement happen. They will be a key strategic ally as we scale our research activities, grow our business and support Black Duck customers in the UK and Europe," said Shipley.

Simon Hamilton, Northern Ireland's Minister for the Economy, praised Black Duck's investment and said "Our local software industry is fueled by a pool of high-quality software engineers working in a range of leading technology disciplines. In recent years Northern Ireland has made significant investments in cybersecurity research and in growing computer science student numbers at both Queen's and Ulster universities. We also have a growing cluster of world-class companies involved in cybersecurity, making Northern Ireland a very attractive location for projects of this type."

Use of open source software is ubiquitous worldwide and it is an essential component in application development today, often comprising 50 percent of the code in an application. The rapid growth in open source usage has created significant security and management challenges.

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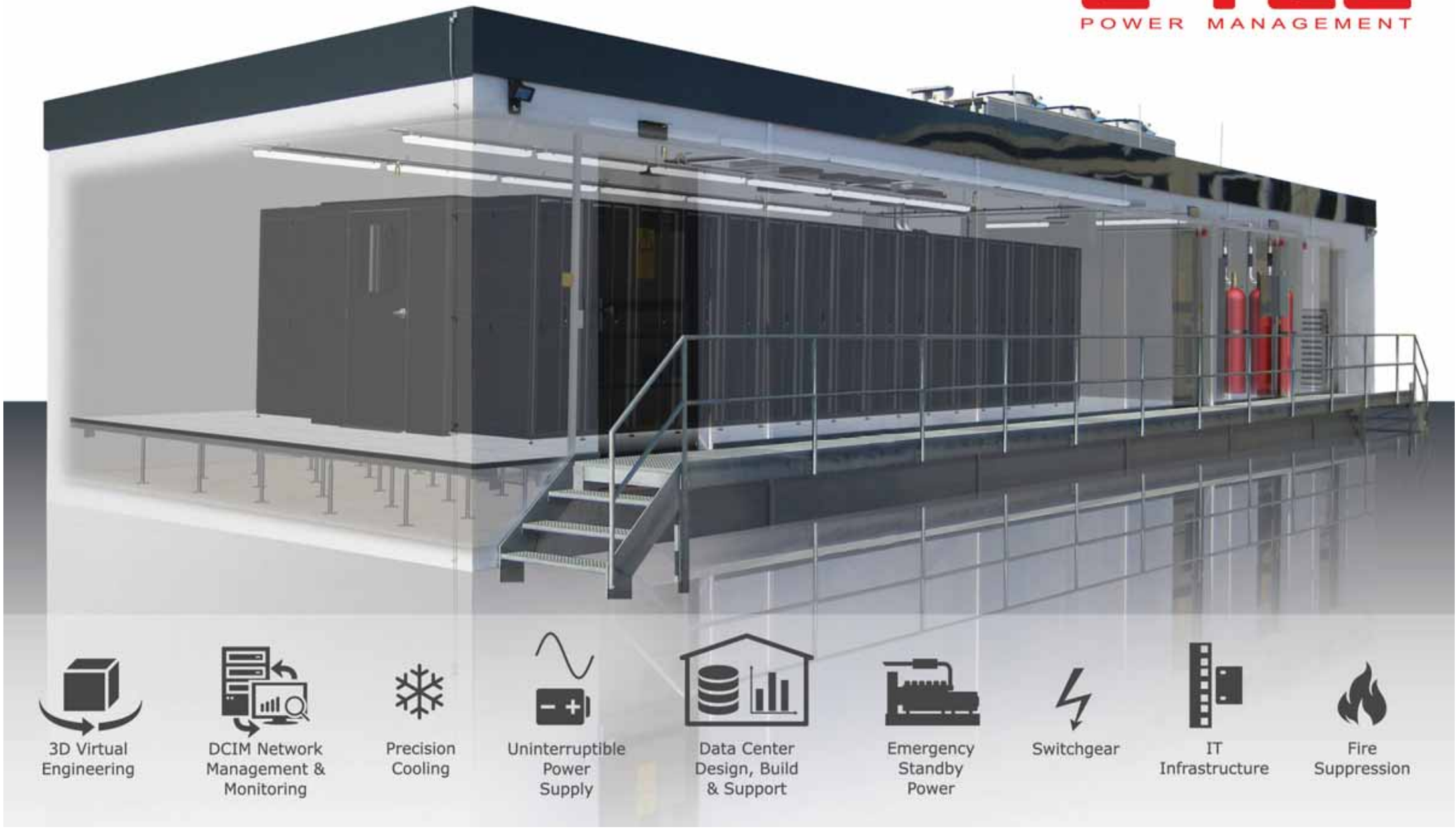

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