

Ebuilt ENVIRONMENT

JUL/AUG 2014

Promoting Best Practice in Irish Built Environment



PHARMACEUTICAL CHP

TELECOMMUNICATIONS

COMMUNITY ENERGY SCHEMES

Data Centre Power, Cooling & Infrastructure

E-TEC

POWER MANAGEMENT

Design, Supply, Implementation & Support

Solutions

- Turnkey Data Centre
- 3D Virtual Engineering
- UPS Systems
- IT Infrastructure
- IT Cooling
- Raised Access Floor Systems
- Environmental Server Simulation
- DCIM
- Generators
- Switchgear

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E-TEC

POWER MANAGEMENT

E-TEC Power Management Ltd. was established in Ireland in 1999, and has carried an exemplary record in the design, supply and servicing of UPS solutions through to the supply of complete cooling and data-centre infrastructure solutions. Building on our base in Dublin, E-TEC has grown over the past 15 years to include operations in the UK, Netherlands, Germany and Poland.

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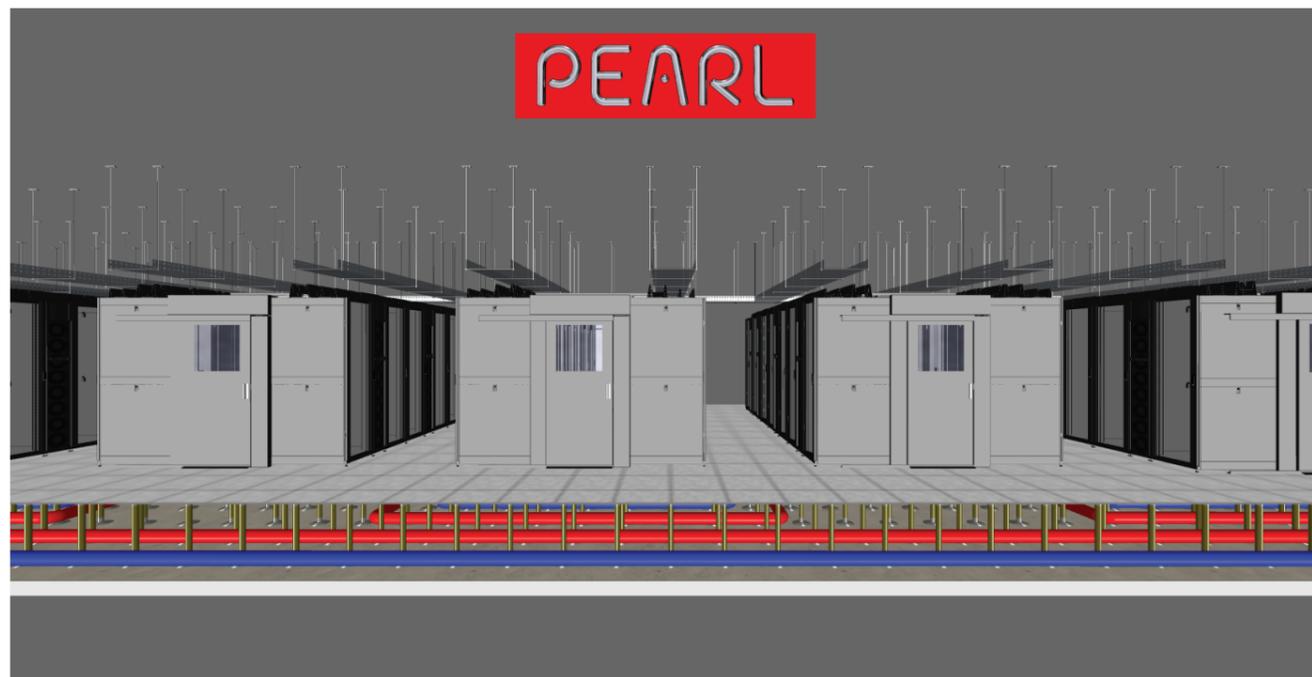
www.e-tecpowerman.com

E-TEC hits 15 year milestone

E-TEC Power Management from its inception in 1999, has served the market with an 'engineering first' mentality, because you just can't get very far for very long if the fundamentals aren't right. In building the organization, E-TEC first established a very strong reputation in the UPS sector, with

personnel already having experience dating back to the early 1980's, and today the company has an exemplary track record in the design, supply, implementation and support of UPS solutions in just about every market sector and application you can imagine. By E-TEC's own calculation

they reckon that in Ireland alone they have installed systems that are supporting and regulating the supply of over 40MW of power to mission critical systems. Put that in another context that's enough power to light a low energy light bulb for every man woman and child in the country.



Having established a solid Irish base E-TEC then set about acquiring new capabilities and recruiting people with relevant experience in the UK, Netherlands, Germany and Poland, and have now established operations in all of those countries. On the power side, the company has long established itself as a company that can provide complete UPS/Generator/Switchgear solutions, or part thereof, but in more recent years has focused their efforts in supplying complete Data Centre IT Infrastructure and IT Cooling solutions, with some of the world's largest multinationals putting their trust in E-TEC. The experience in project implementation invariably develops into a partnership which is maintained over the life cycle of the installation.

Part of E-TEC's overall success comes from belief in the importance of inward investment. Training and certification of Designers, Installers and Engineers in the processes employed and the products supplied, is key. Probably one of the most important decisions made along the way was the establishment of a specialist software development team, enabling E-TEC to build software tools to satisfy its needs for both engineering purposes and also internal administration. This innovative approach has allowed E-TEC to control its operations and development with minimal external restrictions.

On the engineering side, the development of its own 3D virtual engineering PEARL Design Studio software, has been cited by many clients as a key factor in their decision to work with E-TEC. One of the features of PEARL is that it allows clients to 'walk through' a virtual representation of the complete solution. This has elevated E-TEC to a level where they can offer complete Turnkey Data Centre build solutions incorporating Power, Cooling, DCIM, Racks, Fire Suppression, Security, Flooring Systems. E-TEC's investment extends to acquiring its own Server Simulators which are deployed during verification testing to replicate the Server environment both in terms of heat generated and airflow.

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eircom recently selected E-TEC, following a tender process, as the company of choice to engage with themselves, their M&E Consultants (*Dervan Engineering*) and the relevant stake holders to create a Data Centre in Blanchardstown that adopts best practice and satisfies the demands of *eircom's* rapidly changing IT environment. E-TEC's approach to the tender process, its ability to present

their proposal virtually coupled with proven capabilities, created a comfort factor that they, not only understood *eircom's* requirements but were equipped with the knowledge and the resources to satisfy *eircom's* design goals and vision for this new Data Centre.

E-TEC was appointed in 2014 by the HSE to engage with the Consultants, *OCSC M&E* and to supply & Commission UPS Power, Cooling and IT infrastructure for their new Data Centre in Dublin which is also the location for the new National Ambulance Control Centre. The project scope included provision of UPS Power and IT Infrastructure for an offsite disaster recovery location.

PEARL is in continuous development and another key feature is its ability to generate bespoke Project Handover documentation for clients such as *eircom* and HSE. A virtual view coupled with specific product information that is accessed directly from 3D models in a virtual site environment could no doubt herald the end of the 'generic' product binders.

It was always E-TEC's goal to build a company that would be innovative in its approach to engineering and to embrace changing technologies to benefit its clients, and at the 15 year mark, with the combined wealth of experience and perspectives of its five locations, they look forward to what will no doubt be an exciting next 15 years.

