Are you prepared for extended power outages?

Lack of secure, uninterrupted power supply makes energy management a top priority for companies. Interrupted power supply, whether it lasts seconds or minutes, can have a damaging effect on critical or sensitive operations.

Many organisations require uninterrupted supply of electrical power to maintain critical functions. Typical operations include data centres, industrial processing, hospitals and transport operators, especially air and rail.

While electricity network operators/utilities try to ensure continuous, uninterrupted power supply,[1] both planned and unplanned interruptions continue to occur. A report published by the Council of European Energy Regulators (CEER), analysing data from 14 countries, found that long interruptions (>3 minutes) ranged from 0.5 to 5 interruptions per year.[2]

To maintain full operational and competitive advantage, it is imperative that organisations take control of energy management. Businesses requiring critical power supply can adopt various solutions. The most common solution is Uninterruptible Power Supply (UPS). A UPS system comprises an appliance – typically a rectifier, battery bank and inverter – that provides continuous power in the event of any planned or unplanned interruptions.

Take control with a customised solution.

Hanley Energy, a trusted partner of Irish and international companies, can help your organisation take control of your critical power needs, delivering energy management solutions that are customised to meet your requirements.

We will customise an end-to-end solution for you, providing critical power-supply technology and support to maintain uninterrupted supply for key operations, ensuring 100% 'up-time'.

We work with a diverse client base, including but not limited to large manufacturing, small-medium enterprises, buildings (commercial, leisure, mixed-use), educational facilities, local authorities, transport operators, hospitals, telecommunications and data-centre providers.

" The CIE group of companies are moving to a customer-orientated system that is dependent on smart information and communications technology (ICT). In 2010 we decided we needed additional technology to support our complex operations and ensure excellent, uninterrupted delivery of service to our customers.

As CIE's Data Centre Supervisor, I was looking for two things – a turnkey data-centre and a system to ensure uninterrupted electrical power supply. Following a public procurement process, Hanley Energy was selected to provide this service.

We put our trust in Hanley Energy and they successfully delivered the contract. Hanley Energy designed a technology solution that more than meets CIE's needs.

Even after commissioning, they have been more than helpful in responding to my queries."

Matt Brady
Supervisor
CIE Data Centre

[1] This includes brownouts. Brownouts are planned or unplanned voltage-drops in an electrical power supply system. [2] Council of European Energy Regulators (CEER). 2011. 5th CEER Benchmarking Report on the Quality of Electricity Supply 2011. Brussels. www.energy-regulators.eu

HANLEY ENERGY
TRUSTED ENERGY PARTNERS

Hanley Energy takes a 5-step approach to delivering UPS (Uninterrupted Power Supply) Services.

1

SITE ASSESSMENT & OPERATIONAL REVIEW

- *Complete a site assessment, operational review and identify critical/essential electricity load needs. Assessment can be completed to capture critical load requirements for:*
  a. New build
  b. Re-design, rationalisation & retrofit.
- *The assessment can be multi-site or multi-process.*
- *An operational review is conducted to agree back-up time required by operation (also called autonomy); this can be from 5 to 15 mins, for example.*

2

REPORT

- *Summarise findings of site assessment and operational review in a report, and propose solutions, ensuring that critical power kW requirements are met.*
- *The report will also set out a preferred design solution for the client.*

3

DESIGN & DEVELOP

- *With customer sign-off, design the change-over scheme.*
- *This will interface with existing infrastructure, ensure specified energy autonomy, and allow for a safe change to onsite generation or to main electricity supply.*

4

INSTALL & COMMISSION

- *Supply, install and commission the UPS and battery system.*
- *The design solution will be best practice with respect to industry norms – e.g. in-line UPS for data centres.*

5

EVALUATE

- *Service and performance are set out in a Service and Technical Support Contract. Hanley Energy will evaluate performance and operation of installations one month after installaton, and carry out a review with the client yearly.*

Benefits of Partnering with Hanley Energy

Proven ability

We have successfully delivered critical power management solutions to public and private sector organisations.

Customised solutions

We work with clients to customise solutions to meet organisational needs.

Technology solutions

We have access to leading technology solutions.

Support

We provide clients with extensive end-to-end project support, ensuring the project remains on schedule and on budget.

Partnership

We offer clients training and networking opportunities to ensure best practice is shared.

Cost savings

Our cost-effective solutions will save your organisation money through ensuring 'up-time'. Increased operations contribute to competitiveness.

About Us

Hanley Energy Ltd is a dynamic, Irish-owned and Irish-managed company specialising in the design, supply, installation and support of customised energy and critical power management solutions for a diverse range of business sectors.

Located in Drogheda, Co. Louth, Hanley Energy has delivered cost-effective solutions for clients located in Ireland, the UK and the USA.

Contact Us

Unit 4,
Millmount Development Centre,
Millmount, Drogheda,
Co. Louth, Ireland
T: +353 41 9805928
F: +353 41 9805932
E: energy@hanleyenergy.ie

www.hanleyenergy.ie

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