

### Introduction

Guernsey Electricity has been providing electricity to the Island for over one hundred years. Until 2001 all electricity was generated on-island, but since then completion of a cable link to France via Jersey has given Guernsey Electricity the opportunity to import electricity from the European Grid in conjunction with on-island generation. The change has brought significant environmental benefits for the Island while improving the company's risk profile.



### Customer Requirement

Guernsey Electricity has strategically invested in IT over the years. The requirement to analyse the IT infrastructures environment was crucial. Guernsey Electricity has two main data centres, 500 metres apart. Each data centre houses key IT equipment. Guernsey Electricity also provides strategic disaster recovery services to other enterprises owned by The States of Guernsey. The ability to monitor the environmental conditions of the data centres together with a remote communications cabinet a few miles away was essential. It was critical to alert key staff to any changes in the environment that may render IT equipment inoperable.

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### The Solution

Spook has installed a series of Spook Nodes throughout the data centre's and remote communications room. These have been complimented with AXIS™ LAN cameras to allow remote surveillance of each installation. The cameras have been set with motion detection to alarm and take a series of JPEG images should they detect movement.

Spook Console continually monitors all sensors such as temperature, humidity, water ingress and mains power. Should any of the sensors record an out-of-line condition, Guernsey Electricity is alerted via SMS and e-mail. At every stage, Spook Support is alerted 24/7 and contacts the relevant Guernsey Electricity personnel at the time of the alert.

At the beginning of every week, Spook sends Guernsey Electricity a Weekly Management Report analysing the activity of each sensor throughout the period. These reports are important and allow Guernsey Electricity to provide proof of the environmental condition of the IT equipment for themselves and the States of Guernsey enterprises that rely on them to provide disaster recovery services.

### Conclusion

#### **Guernsey Electricity Limited's IT Services Manager, David Elliston, explains:**

“Spook provides an excellent service whose installation has been designed specifically taking into account the needs of each of our main data centre's and our remote communications room. They prove, 24/7 the environmental operating conditions of our IT equipment.

We are particularly impressed with the Ethernet attached technology, this has helped us to provide a single, cohesive solution across three areas in our business. Spook Support operate on a 24/7 basis and call within minutes of us receiving any alarm conditions. We receive regular visits from Spook to discuss enhancements to the service, upgrade our software in line with any developments they have made or simply to keep in contact.

The Spook Weekly Management Report is particularly valuable as it allows us to review trends or to analyse events that have happened over the period in graphical format for each individual sensor. We have relied on Spook for a number of years and look forward to continuing the relationship in the future.”



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