



## Jcom implements a greener datacentre at Elexon

Jcom UK Ltd has recently implemented a virtualisation solution at Elexon that has dramatically reduced their datacentre's power consumption. Elexon engaged Jcom to design and deploy a server consolidation project that would not only cut down on the energy costs, but also reduce their datacentre's carbon footprints. Elexon is the Balancing and Settlement Code Company (BSCCo) for Great Britain and its role is defined and created by the Balancing and Settlement Code (BSC).

The primary reason for the project was to reduce power consumption in the server room. This has been achieved by reducing the number of physical servers in addition to the use of a Blade Enclosure to dynamically manage power across the Blade Servers. Approximately fifty physical servers were consolidated to a VMware Virtual Infrastructure comprising five ESX servers, which were installed onto HP Server Blades in a c7000 enclosure.

In order to design an accurate Virtual Infrastructure for Elexon's requirements, Jcom used PowerRecon from PlateSpin to gather data on the resource usage of their physical servers. Based on the collected data, Jcom not only designed the capacity for the Virtual Infrastructure, but also identified the requirements for their network environment and storage capacity. VMware HA and VMotion were configured, enabling high availability and business continuity to their business. The servers' migration into the Virtual Infrastructure was successfully completed using VMware Converter.

### **About Elexon:**

ELEXON is the Balancing and Settlement Code Company (BSCCo) for Great Britain. Their role is defined and created by the Balancing and Settlement Code (BSC). The BSC contains the rules and governance arrangements for electricity balancing and settlement in Great Britain and all licensed electricity companies must sign it (others may choose to do so). Elexon procures, manages and operates the services and systems which enable the balancing and imbalance settlement of the wholesale electricity market and retail competition in electricity supply.

### **About Jcom UK Ltd:**

Jcom helps corporate and SMEs enhance their software, hardware and data assets. We provide solutions across data storage, virtualisation, server consolidation, network security, connectivity, data backup, and software asset management that optimize IT infrastructures, boosting businesses operational and financial returns. Our partnership with world-leading information technology manufacturers such as Microsoft, VMware, DELL, HP, EMC, SUN, NetApp, Hitachi, Cisco, IBM, Citrix, Symantec, CA, Oracle, and many others enables us to help our clients to use the right products for their organisations, giving them freedom of choice with maximum value at all times.