

# UPS Replacement- Geo Data

UPS System Case Study



**Geo data specialist company in Oxfordshire contacted UPS Systems PLC to replace the existing UPS system supporting the IT infrastructure within the building.**

It is essential that the IT infrastructure within the facility is kept online as it is required for weather forecasters that have to create accurate and location specific forecasts for clients such as oil rigs, ships, tug tows and others. Work is 24/7/365. The IT facilities required an up to date protection solution to ensure that the system remains operational should the building experience a power outage.

UPS Systems proposed a 40kVA UPS system (40kW) with 3 internal strings of 40 x 90ah batteries to enable the critical I.T infrastructure to continue running should an outage arise. The 40kVA system provided offered a much more suitable rated and energy efficient system than the existing 125kVA system which was significantly oversized. The existing system was decommissioned and the old UPS, batteries and EMBS were safely removed and disposed of.

The UPS was supplied with an External Maintenance Bypass Switch (EMBS) which is an essential part of switchgear. This EMBS allows the UPS to be completely isolated with no interruption to the load for required amount of time.

# UPS Replacement- Geo Data

UPS System Case Study



*“Keeping the UPS systems update to date is essential to protect businesses from harmful power outages.”*

**Jack Ogden, Commercial Director |  
UPS Systems PLC**

This in turn allows comprehensive maintenance visits to be carried out. It also means the UPS can be removed and replaced with no interruption, ensuring the system is easy to maintain and update in the future. UPS Systems PLC worked with the IT professionals on site to negotiate a safe downtime period outside of normal working hours in which the EMBS could be changed with minimal disruption.

An internal volt free contact card was supplied with the UPS for connection to the Building management system and alert the maintenance staff of any faults that may arise with the UPS.

An internal SNMP was supplied with the UPS for connection to allow the UPS to be monitored over an ethernet connection and alert the maintenance staff of any faults that may arise with the UPS.

UPS Systems PLC is a company that specialises in providing Uninterruptible Power Supply (UPS) solutions to businesses and organizations of all sizes. As part of their services, UPS Systems PLC employs OEM trained engineers who are experts in the installation and commissioning of their UPS systems.

When a client engages UPS Systems PLC for their UPS solution needs, the OEM trained engineers will carry out the installation and commissioning of the UPS within the OEM and electrical safety requirements. This ensures that the UPS is installed and configured correctly, and that all safety regulations are complied with, providing the client with peace of mind that their power supply system is operating safely and efficiently.

In addition to the initial installation and commissioning, UPS Systems PLC also offers a 3-year maintenance contract for their clients. This means that the UPS will be regularly maintained and serviced by the company’s expert engineers, ensuring that it remains in optimum condition for the duration of its service life.



This proactive approach to maintenance helps to minimize the risk of downtime and disruption to the client’s operations, ensuring that their critical power supply system is always up and running when they need it the most.

Overall, UPS Systems PLC offers a comprehensive UPS solution that includes expert installation and commissioning by fully trained engineers, as well as ongoing maintenance and support to ensure the client’s power supply system remains in peak condition throughout its service life.