

**ScoLocate data centre** chooses Chloride UPS for its power protection

## Case study:

**Site:** ScoLocate, Edinburgh

**Application:** Data centre

**Chloride capabilities displayed:**

- Leading and lagging power factors
- Secure installation

**Chloride products used:**

- 90-NET
- LIFE.net
- Batteries

When Scottish data centre, ScoLocate, was looking to increase backup capacity and resilience of their critical power protection system, they decided to replace rather than upgrade the existing system and bought four Chloride advanced 90-NET 500 kVA UPS, each with a 10 minute battery. The UPS were configured to Tier II running in two sets of N+1 parallel systems, using separate input supplies. At the same time ScoLocate also increased generator capacity by replacing the existing two units with three generators paralleled up to share the load. In a further measure to avoid costly downtime, the UPS are connected to Chloride's LIFE.net remote monitoring and diagnostic service, which provides constant surveillance of the performance of the UPS and the quality of the mains supply and creates alerts should any anomalies be detected.

### Optimum power protection

ScoLocate is Scotland's largest commercial, carrier neutral, purpose built co-location facility offering over 3,300m<sup>2</sup> of data centre space at its facility in Edinburgh. This space is over 75% let for the servers of government departments and major financial and communications companies - customers who demand the optimum power protection for their data services and equipment.

Lawrence Penny, Operations Manager at ScoLocate explained why his company had chosen to place this UPS contract with Chloride:

"We already had a very good working relationship with Chloride at our Phase 2 facility where the equipment and expertise has proved highly reliable in providing critical power protection. When we considered alternative systems available, Chloride was able to meet our requirements of a high quality product, at a competitive price and with the ability to meet, and in the event exceed, our tight timescale. The 90-NET UPS has a host of attractive advantages for critical power protection but the key benefit influencing our decision to replace our existing system with 90-NET was the fact it can cope with both lagging and leading power factors (without de-rating). When you are responsible for third party server equipment, this is a major advantage. It is also designed for easy paralleling and this was achieved in less than 15 seconds after set-up."

# CHLORIDE



Chloride provided special battery support racks taking into account the weak load bearing floor specifications.

## Secure installation

Chloride project management and engineering teams oversaw the installation and, over a number of weekends, commissioned each unit individually, in sequence. During the installation and commissioning of each pair of UPS, the period of raw power operation was limited to just 30 minutes. However, as the other side of the power supply was always available, ScoLocate was never without a backup battery system and generators.

Lawrence Penny added:

“From the initial design through to installation and commissioning in plant and battery rooms we have again received excellent service and co-operation from Chloride.”

Now in service, ScoLocate’s critical power protection is connected to Chloride’s industry-leading LIFE.net monitoring which effectively gives the supplier responsibility for the health of the UPS to maintain maximum power availability. LIFE.net offers real-time diagnosis of over 100 separate parameters, to provide performance monitoring of installed UPS systems and the quality of the mains supply. Reporting to Chloride’s watchstation which is manned 24-hours a day, 365 days a year, any faults or anomalies likely to affect system integrity will be identified and either corrected remotely or in a ‘first visit fix’.



Four 90-NET 500 kVA UPS were installed in this data centre.

For more information please visit our website

[www.chloridepower.com](http://www.chloridepower.com)

Chloride is an international provider of secure power solutions for business continuity for customers worldwide. Our innovative solutions and services protect business critical systems and processes from the damaging effects of poor quality electrical power and power interruptions.