

FINTECH FIRM MAKES THE MOVE TO MULTI POWER



Our modular Multi Power's combination of high efficiency, compact footprint, and ease of maintenance make it the ideal solution to upgrade protection at a key data centre for a leading IT provider for the financial services sector.

Options Technology are the number one provider of IT infrastructure to global capital markets firms, supporting their operations and ecosystems.

Providing high performance managed trading infrastructure and cloud-enabled managed services to over 550 firms globally, Options Technology's clients include leading global investment banks, hedge funds, funds of funds, proprietary trading firms, brokers, dealers, private equity houses, and exchanges.

Authorised Riello UPS reseller and service partner **Computer Power Protection (CPP)** has a long-standing relationship with Options Technology dating back to 2009 when CPP supplied, commissioned, and maintained 2 x Riello UPS

Master Plus 400 kVA UPS standalone systems with associated batteries in an 'A & B' arrangement.

As demand for Options Technology's services increased, so too did the infrastructure at its data centre, resulting in limited space for access around its existing UPS system.

The company decided it was time to update the UPS to increase capacity and resilience.

It engaged Computer Power Protection to review the existing installation and propose a solution that met with these criteria, along with a request for all the changeover works to be carried out at weekends without any downtime.

Headquartered in Wiltshire, Computer Power Protection is an independent power protection specialist providing UPS and Generator solutions to both the private and public sector for over 35 years.

MOVING TO MULTI POWER

Due to the space constraints now faced in the data centre, CPP proposed 4 x Multi Power modular UPS systems in standalone configuration as the replacement.

Multi Power is our versatile and award-winning modular solution offering a choice of 15-25-42 kW power modules, along with a range of cabinet sizes. It gives data centre operators the risk-free scalability to 'pay as you grow' by adding in extra modules as and when required.

The series delivers full-rated unity power (pf 1) and high efficiency of up to 96.5% in online mode, while each module and battery unit is hot-swappable and accessible from the front of the UPS, guaranteeing downtime-free maintenance.

PROJECT SPECIFICS

For this project, each of the Multi Power UPS would initially have 4 x 42 kW power modules installed to provide 126 kW N+1 redundancy, with capacity to add more power modules should the load increase.

As part of the upgrade and to ensure no downtime, new 630A power supplies were installed for each Multi Power unit, along with a 630A external maintenance bypass switch, new DC cabling, and battery fusing arrangements.

The battery fusing and associated infrastructure allows for an additional string of batteries to be added at a later date without any system downtime should the load increase.

As part of the works, CPP were also requested to supply and install an additional 2 x 630A outgoing distribution panels to the customer specification and in line with the existing infrastructure.

With all preparation work carried out during normal working hours, the largest challenge to overcome involved breaking down the existing Riello UPS Master Plus 400 kVA UPS weighing 2,600 kg and over 1,600 mm wide into manageable sections and removing overnight at a weekend prior to installing and commissioning the replacement Multi Power UPS system in an agreed timescale.

Good communication along with a detailed and clear plan of works was essential to ensuring all/any risks to downtime were minimised, with Options Technology actively participating in these discussions.

The changeover works were completed over four separate weekends with one Multi Power installed each weekend, with Options Technology's data centre now fully protected against short-term power outages by the Riello UPS systems.



POSITIVE OUTCOME

Glen Selby, VP Global Head of Data Centres for Options Technology, commented: “CPP have always been extremely professional and meticulous in their work so when it came to upgrading our existing UPS infrastructure, they were always going to be our number one choice.

“Several months of planning and staged migration weekends resulted in a seamless transfer over to the four new UPS with no downtime to our core infrastructure. A real testament to their work.”

Barry Jarvis, Sales & Marketing Manager for Riello UPS, added: “Thanks to its combination of high efficiency, compact footprint, and risk-free scalability, our Multi Power is a proven solution for data centre installations as it helps operators reduce their total cost of ownership.

“Its modular design also gives Options Technology the flexibility to easily expand the system in the future if the need arises.

“We have a positive long-standing relationship with Computer Power Protection, they’ve been authorised Riello UPS resellers and service partners for several years now, and we know just how professional, capable, and customer-focused their team is.

“This was a challenging project due to the mission-critical nature of the installation environment, but the CPP team did a fantastic job seamlessly upgrading the data centre to its new Multi Power UPS system.”

