

Options Technology

Computer Power Protection Case Study



Options Technology are the No. 1 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.

Computer Power Protection (CPP) has a long standing relationship with Options Technology dating from 2009 when CPP supplied, commissioned and maintained 2 x Riello UPS Master Plus 400kVA UPS stand-alone systems with associated batteries in an A & B arrangement.

As Options Technology's demand increased the data centre grew around the UPS resulting in limited space for access around the UPS. When Options Technology looked to update, increase capacity and resilience on the existing UPS system arrangement they engaged Computer Power Protection.

We reviewed the existing installation and propose a solution that met with their criteria along with all change-over works at weekends and without any downtime.

Due to space constraints CPP proposed, 4 x Riello UPS Multi Power Modular UPS systems in stand-alone configuration with each UPS initially having 4 x Riello UPS Multi Power 42kW power modules installed to provide 126kW in N+1 configuration and capacity to add more power modules should the load increase over time.

"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."

Glenn Selby VP Global Head of Datacentres for Options Technology

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“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.”

Barry Jarvis, Sales & Marketing Manager for Riello UPS

As part of the upgrade and to ensure no down-time, for each Riello UPS Multi Power system; new 630A supplies were required to be installed along with 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 should the load increase without downtime. 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

With all preparation work carried out during normal working hours the largest challenge to overcome involved breaking down to manageable sections and removing the existing Riello UPS Master Plus 400kVA UPS weighing 2600Kgs and over 1600 mm wide overnight at a weekend prior to installing and commissioning a Riello UPS 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 was completed over 4 separate weekend's with the 1 Multi Power installed each weekend and the upgraded data centre at Options Technology is now fully protected against short term power outages by Riello UPS systems.

Computer Power Protection are an independent power protection specialist providing UPS & Generator solutions to both the private and public sector for over thirty five years.

“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. 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.”

Barry Jarvis, Sales & Marketing Manager for Riello UPS