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B/E AEROSPACE

A New Data Centre takes high flyers to the next level

B/E Aerospace, is the world leading provider of interior products and solutions, and the world's leading distributor of aerospace fasteners and consumables for the commercial business jet and military markets.

THE CHALLENGE

The existing server room required a complete overhaul so the Facilities Department at B/E Aerospace took the opportunity to have the area remodeled and refurbished. All the work had to be carried out in a live environment with no interruption to the day-to-day operations.

THE SOLUTION

Comms Room Services were appointed to design and build the new Data Centre in Leighton Buzzard. A lot of construction took place before the server room install could begin so to prepare the area, the existing electrical equipment had to be either carefully removed or protected within the space to ensure it did not get damaged during the construction phase. Building works involved knocking walls through, replacing stud walls with 1 hour fire-rated walls, moving doorways and blocking up windows. Cabinets had to stay in place and therefore had to be lifted while still live and placed into position as the raised floor was built around them.

The server room installation included 3 x 60kva APC UPSs (with 30 minutes runtime at full load), 2 x 28kw down draught air-conditioning units (with 20m pipework to the outside), an FM200 Fire Suppression System and pressure relief vent, cabinets and a number of environmental systems including room over temperature, water detection, call out modules with critical alarms, AC & UPS alarms and lastly a 30 channel BMS interface.

Comms Room Services worked in a live environment throughout the whole project so the cut-over was extremely critical. This was carried out over the weekend with both our engineers and the B/E Aerospace team all working together as one to move cabinets out and clean them before putting them back in position while all of the re-patching to the servers took place. It was a military-style operation carried out perfectly by everyone in the team (fuelled by pizzas delivered and enjoyed by all courtesy of Antimo, the B/E Aerospace IT Project Manager).

THE BENEFITS

The end result was a sleek, modern and efficient new Data Centre that B/E Aerospace can be proud of which is now safe, secure and protected against all eventualities. The equipment installed is designed to improve their operating efficiency and provide a resilient environment for the future.



Before the refurbishment



After the refurbishment

