

LU-VE PROUD OF NEW EFFORT TO KEEP THE UK COOL

Jane Boler

With countless offices located all over the world it is no secret that LU-VE are out to conquer the world – one air conditioner at a time.

Focusing on the United Kingdom of late, LU-VE has captivated two specialist HVAC contractors who have invested in their superior refrigeration and air conditioning products.

English based specialist HVAC company Eastwood Air Conditioning recently completed a tricky installation that wouldn't have been possible without some help from industry leaders LU-VE.

Specialising in custom built air conditioning solutions for the past 20 years Eastwood Air Conditioning found their latest project within a newly constructed tower block in the heart of London's financial district to be difficult.

The large scale project involved providing cooling for the data process centres of three separate located in different levels within the newly constructed London building.

Eastwood quickly encountered major issues of space constraints including lack of space to place the equipment on the roof along with other equipment.

A much needed solution was found by installing 14 of LU-VE's innovative, yet powerful SDHL & XDHL mini Vee dry coolers on specially constructed open ventilated frames. These ventilated support frames allowed sufficient air to reach the heat exchangers and associated pumping stations.

The complicated installation process was carried out in three separate phases, with the units having to be partially stripped down before being transported via service elevator to the 25th floor, where they could then be moved to their final position and reassembled.

Innovative Safe Tubing Systems supplied by LU-VE with its dry coolers and condensers removed any risk of tube contact with the frame or end plates during transit or installation and final operation.

The total heat rejection of 1Mw is spread across the 14

machines and the SDHL & XDHL units were fitted with the latest generation electronic fan motors controlled by LU-VE's ESBT system which adjusts the fan speed according to the load on the units to maintain the constant water return temperature.

LU-VE is hitting the UK market hard with another HVAC specialist investing in their technology.

Birmingham based specialist refrigeration and air conditioning contractor Harvard Services has also just completed installing a new 14440 m3 coldstore.

The installation comprises of 2 x Copeland 35 HP compressor receiver sets with a LU-VE 4 x 800 mm fan EAV8S 7221H air cooled condenser, the evaporators are 6 off CS64H 3200E6.

A Danfoss monitoring system was chosen to provide remote viewing and adjustments were necessary of critical aspects to the control of the cold room temperatures as the site operates 24 hours.

The cold storage company is relied on daily to provide chilled produce to both independently owned and national based supermarket operators.

Project completion time was critical leading up to the busy holiday season, and the Copeland CR and LU-VE evaporators were prepped prior to final installation to reduce onsite installation time.

Needless to say, LU-VE are proud of their latest installations abroad and are ready to chill the world in 2011, one air conditioner at a time.

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images of Coldstore located near Birmingham