



PROJECT CASE STUDY

QUEEN ELIZABETH HOSPITAL, WOOLWICH

AirCraft Air Handling HTM-03.01 AHU for Queen Elizabeth Hospital in Woolwich

In line with the latest NHS standards of compliance for Hospital AHUs (HTM-03.01) and specifically their unique requirement for external weatherproof units, AirCraft Air Handling have recently delivered a packaged AHU with an integral service corridor to Queen Elizabeth Hospital in Woolwich, London. HTM-03.01 not only relates to the AHU's construction but also its performance relating to air quality and energy efficiency.

Queen Elizabeth Hospital was opened in 2001. It has 521 beds, an A&E department and multiple specialist departments including major trauma and intensive care. The hospital has been undergoing an 80-week programme of infrastructure works including the replacement of its air handling units that serve the operating theatres, pathology, delivery suite, special care baby unit and ward areas.

For Queen Elizabeth Hospital, AirCraft Air Handling manufactured and delivered a fully compliant HTM-03.01 rooftop AHU with an integral service corridor to ensure that when engineers are maintaining the AHU, both them and the equipment are protected from adverse weather conditions.



Our team worked closely with Lewisham and Greenwich NHS Trust's M&E Services Contractor to design and supply this bespoke supply & extract heat recovery AHU c/w reverse cycle direct expansion (DX) coil, and energy-efficient EC plug fans.

We completed the AHU build in August 2022 and after final quality testing at our premises in Stafford, we broke the unit down for transporting and shipped the AHU in a modular form directly to the site for reassembly and installation. AirCraft Air Handling's Team were on-site for the reassembly and testing, prior to handing it over to our client for final installation.