



MANSFIELD POLLARD
AIR MANAGEMENT EXPERTS



OAK CANCER CENTRE

The Royal Marsden NHS Foundation Trust

Critical Care & HTM 03-01 Air Handling

HOSPITAL & HEALTHCARE

Air Handling Solutions by Mansfield Pollard

specialist care needs specialist air

critical ventilation solutions

A WORLD CLASS CANCER CENTRE

The brand new **£70 million** state-of-the-art cancer centre will bring together over **400 researchers** from across The Royal Marsden's Sutton and Chelsea sites, in a building designed to stimulate collaboration and speed up the development of new cancer treatments.

The **six storey 134,000 sq ft** construction is targeting a BREEAM Excellent environmental performance rating and will become the centrepiece of an ambitious plan, alongside academic partner, The Institute of Cancer Research, to create a **£1 billion cancer research campus** – The London Cancer Hub.



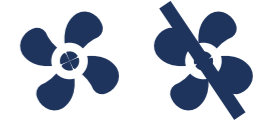
A PARTNERSHIP APPROACH

With **technical design** capability and experience in **specialist healthcare** being key partnership drivers, Mansfield Pollard were engaged to design, manufacture and install **12 precision air handling units**, serving all areas of the development contributing to the delivery of a **BREEAM** rating of **EXCELLENT**



**x12 HTM 03-01
2021 Compliant**

Fully compliant with the latest HTM 03-01 legislation (2021).



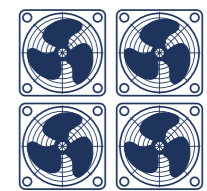
**N+1
Redundancy**

Run and standby EC fans offering the ultimate in unit reliability



Extensive Testing

Suite of FAT testing including leakage, volumetric & acoustic



EC Fan Array

Offering the ultimate in flexibility and energy efficiency

PROJECT HIGHLIGHTS

Twelve precision air handling units were required to provide critical ventilation to all areas of the £70million Oak Cancer Centre. Serving all areas including **Oncology, Endoscopy and Chemotherapy**, each air handling unit was individually manufactured to achieve and maintain specific conditions to **optimise air quality** and protect both patients and staff dependent upon hygiene requirements.

With **continuous operation, quality and energy efficiency** being the key project drivers, Mansfield Pollard engineered each AHU to be HTM 03-01 compliant with build in redundancy and undertake **stringent FAT tests** including leakage testing to L2, volumetric and acoustic testing. **Outstanding hygiene** is guaranteed via extended drain trays, stainless steel & laminate internal panels, tailor made base frames and specialised coils.





HOSPITAL & HEALTHCARE AIR HANDLING
BY MANSFIELD POLLARD