

Cheapside House, London

Case Study



“Barkell delivered efficient and workable solutions for a complex project. They collaborated with us effectively overcoming several issues, with the installation completed successfully and on time.”

Jamie Garratt, GDM



Background

Cheapside House is a modern 6 storey office block in the heart of London. The building benefits from fantastic views towards St Paul's Cathedral and is a busy hub for companies doing business in London's famous financial district. Home to many different businesses within one building, the footfall in and out of Cheapside House is extremely high and with such large numbers, in the midst of the congested capital city, the demands on ventilation are high.

The Challenge

The air handling units (AHUs) at Cheapside House were installed several years ago by another manufacturer and were showing signs of ageing; energy consumption was high and performance was compromised. GDM approached Barkell AHU specialists for their advice on how to remedy this issue. The first task was for Barkell to attend site to do a complete survey of the project, identify any obstacles and present a project plan. The main obstacles identified by Barkell engineers were that the existing AHU were situated on a roof top in Central London, with limited access. The only way to get anything on to the rooftop was by using a small hoist and this presented its own health and safety challenges.

Solution

Replacing the full unit would be costly and logistically challenging and more importantly, unnecessary. A full refurbishment was identified as the solution and as such a costed proposal was put forward to GDM that allowed the fans, filters, access panels, heating coil, isolators, internal boxing and doors to be upgraded, part by part. This method of refurbishment would allow for smaller parts to be delivered to the roof top via the available means, negating the requirement to remove and replace the full unit.

Cost Savings

Refurbishing, as opposed to replacing an AHU on a central London rooftop, was financially and logistically preferable, as were the longer term energy cost savings to be reaped from refurbishing an old unit with newer, more efficient technology.



Image above shows original AHU before refurbishment works were completed.