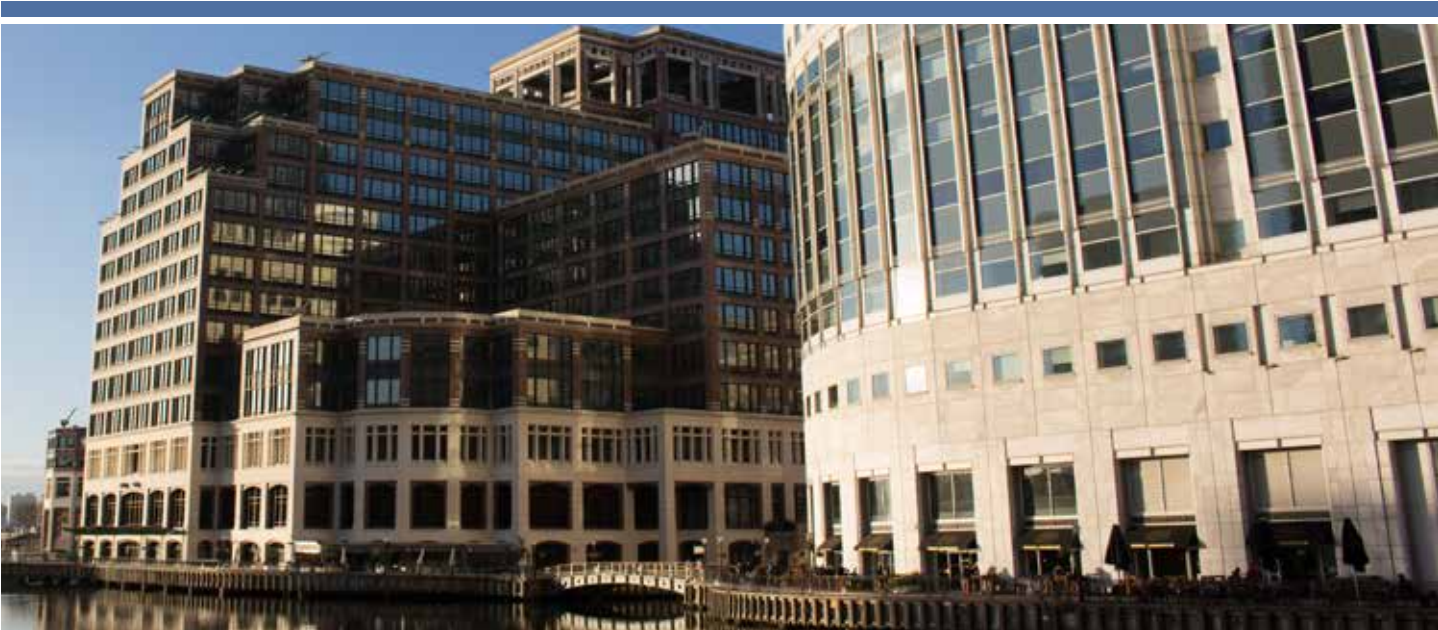


Canary Wharf, London

Case study



About

10 South Colonnade was one of the original towers constructed on the Canary Wharf estate in the early 1990s. It is situated to the south west of the main tower and Canary Wharf Docklands Light Railway (DLR) station.

As part of a major refurbishment programme, Bancroft Ltd, Mechanical & Electrical contractors, were selected for the execution of the project along with Aecom Consulting Engineers from the design phase through to practical completion and handover.

Barkell was selected to supply replacement air handling units.

Barkell solution

- Manufacture and supply of 5 bespoke AHUs
- Evaporative humidification
- Site leakage testing to DW 143 standards
- Casing constructed to BS EN1886 T2 thermal transmittance and TB2 thermal bridging standards

In more detail

Canary Wharf London

Complex logistics

As this was a refurbishment of an older building, there were tight spatial restrictions and access routes, which made it challenging to comply with Building Regulations Part L and the ErP (Energy-related Products Directive 2009/125/EC).

To overcome this issue, Barkell designed and supplied the compliant AHUs in flat-pack form, and built on site.

To ensure performance to precise specifications, the AHUs were built onsite by Barkell engineers.



“The main issues on this project were fitting the AHUs in tight areas and late change requirements. However, Barkell overcame these by putting forward multiple configuration options during the design phase, and adapting to updated requirements.

With limited access routes to the created plant rooms, Barkell’s ability to construct on site was also very important on this project.

Overall, we were very impressed with the build quality, and all units commissioned have had no issues in terms of meeting design performance.”

Steve Lockwood, Principal Engineer, Aecom Consulting Engineers

Benefits

- Bespoke design service to meet the constraints of the existing building
- Onsite construction to meet the needs of the facility
- Low in-duct and casing breakout noise levels
- Collaborative, fully managed service
- Installation which complies with Building Regulations Part L and the ErP (Energy-related Products Directive 2009/125/EC)