

# BIDDLE PROVIDES HEATING AND COOLING SOLUTIONS TO THE COMMERCIAL HEART OF MANCHESTER'S ENTERPRISE CITY



## INTRODUCTION

Manchester Goods Yard, an architectural marvel in Manchester's Enterprise City represents the peak of modern design and sustainability.

The 2 million square foot development across 21 buildings offers a mixed-use space of offices, leisure, and retail. A new purpose-built space prides itself on utilising only pure green energy from renewable sources and has a distinctive design inside and out.

## REQUIREMENTS

The first floor houses a contemporary workspace inspired by the industrial warehouses of Brooklyn, New York, and required a comprehensive heating and cooling solution. The office space, characterised by its open ceiling, presented a unique challenge, and aesthetics were a prominent consideration.

With a commitment to green energy and a design reminiscent of Brooklyn's industrial warehouses, the challenge was to provide a seamless heating and cooling solution complementing the unique aesthetics.

## THE BIDDLE METHODOLOGY

Biddle, a leading provider of HVAC solutions, was the preferred partner for the project based on their demonstrated capability to deliver tailored HVAC solutions with optimal lead times. Due to the exposed installation, noise considerations and visual blend were critical to the selection of units, ensuring minimum obstruction.

As the open ceiling and aesthetics were a prominent consideration, therefore the in-house product design teams at Biddle worked alongside the client to design a special condensate pump cover. The cover concealed both the condensate pump and associated wiring. Additionally, all components underwent a specialised powder coating process in-house, ensuring durability and aesthetic consistency.

Chosen for their versatility, each of the ProAir 270 FCUs were individually selected by our specialist Sales team, considering the performance, noise, and orientation requirements of each space.

With 10 different sizes, Biddle was able to select

the most suitable sized units based on kW output requirements. Supplied with the quietest fans available on the market, an effective and efficient solution was designed and bespoke controls were fitted to each individual unit on site.

Pressure Independent Control (PIC) Valves from FloControl were required to enhance the system's performance, as they automatically regulate the flow, regardless of any system pressure changes.

Installed over a fully insulated and painted drip tray (to prevent rust), any condensate from the valves or coil is captured. For this installation, condensate pumps were fitted to all ProAir fan coil units, facilitating the upward movement of condensate for discreet removal, further preserving the units' aesthetics.

## THE BIDDLE SOLUTION

Biddle worked closely with the nominated contractor, adjusting selections carefully in line with changing requirements. Together, a cohesive arrangement of 72 ProAir 270 fan coil units were delivered. The customised colour, condensate pump cover, and valve arrangements were the culmination of a close working relationship from quotation through to delivery.

A customised solution, the ProAir 270 FCU's installed is a testament to the versatility of the ProAir series of fan coils, carefully tailored to meet requirements.

Working in conjunction with the contractor's requirements, Biddle provided phased delivery to the site allowing a hassle-free and efficient installation process.

This project showcases Biddle's commitment to providing tailored, energy-efficient HVAC solutions which meet the specific needs of their customers.

With the ProAir 270 FCUs, Biddle has played an instrumental role in crafting a sustainable and comfortable workspace at Manchester Goods Yard.

## CONTACT US

If you're ready to find the perfect HVAC solution for you, our in-house technical and engineering experts, are on hand for advice and guidance every step of the way.



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