

An award-winning air filter service



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MANN+HUMMEL is one of the few service providers that recognize an investment of time and money is essential to allow a true understanding of the client and their needs.

Account Director, CBRE



An award-winning filter service for a leading university



Customer

University in Scotland, United Kingdom



New services

Energy and filter assessment surveys across the full campus site; filter supply with reduced complexity and energy demand.



Outcome

Annual energy savings of £178,907 or 813,216 kW/h, filter system optimized for the environment and simplified with fewer types.

THE CUSTOMER

As one of the oldest English-speaking universities and ranked in the top 100 higher-education institutions worldwide, the end customer has a long history of excellence in both research and study.

THE CHALLENGE

With around 300 buildings – old and new – spread across its campus, the university had a variety of HVAC systems and an even wider range of air filter configurations.

Managing the upkeep of these systems was complicated and resource intensive, which is why CBRE (the university's facilities management partner) asked MANN+HUMMEL to conduct an overhaul of the air filtration systems not long after beginning work at the site.





THE SOLUTION

The MANN+HUMMEL team spent over 300 hours conducting filter surveys and gathering other on-site data. With this information they created a filter configuration that was not only optimized for the operating environment, but also delivered energy savings over the existing installed air filters.

The new system also had fewer filter types to simplify stock storage, management and handling, and also fixed historic issues that the university was experiencing.

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If more service providers took MANN+HUMMEL's approach it would only further develop a better partner model.

Account Director, CBRE

A simplified, rationalized filter system

Reducing the variation in the different types of air filter installed across the university provided significant cost savings to the end customer and the facilities management provider. It also meant:

- Less on-site stock handling
- Reduced purchasing requirements
- Fewer supplier requisitions
- Less disruption across campus



THE RESULT

The new, optimized filter solution cut the energy consumption of the university's HVAC system by a calculated £178,907 and 813,216 kW/h per annum - the equivalent of approximately 170 tonnes of CO₂e.

The new solution removed the need for separate prefilters too. With over 1000 fewer filters to change each year, onsite stock storage, handling and movement was significantly cut. This reduced disruption around the campus and improved fire risk compliance with fewer flammable boxes lying around plant rooms.

The standardized filter configuration also simplified stock ordering and meant the most suitable filter was used in each air handling unit.

An award-winning result

In recognition of the fantastic outcome at the university, MANN+HUMMEL won CBRE's Exceptional Customer Value award for 2024.

As a leading service provider, CBRE run 1000s of projects each year, so to be chosen as the partner that helped deliver the best customer value was welcome acknowledgement for the hard work and expertise of the MANN+HUMMEL team.



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Take a bow
MANN+HUMMEL!

Account Director, CBRE

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Leadership in Filtration

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