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CASE STUDY: FINANCIAL SERVICES

SUSTAINABILITY LEADERSHIP IN LONDON'S FINANCIAL DISTRICT WITH K&N ENGINEERING REUSABLE HVAC FILTERS

PROJECT:

Financial Services Firm EMEA HQ
K&N Replaced Legacy Disposables

USE CASE:

City Center High Rise
10-story building with 826,000 net ft² of office space

LOCATION:

London, United Kingdom

EQUIPMENT:

Multiple cooling towers - 448 units of 12"x12"x2" and
448 of 24"x24"x2" standard MERV 8 panels

OVERVIEW:

In 2023, a global financial services firm in London's Financial District replaced its disposable filters with K&N washable, reusable filters across its 10-story headquarters. The facility team, already committed to sustainability with initiatives like a rooftop garden using recycled water, aimed to further that commitment as they participated in a pilot of K&N's potentially transformative product: high-flowing, washable re-usable HVAC filters.

By adopting K&N filters, the firm significantly reduced landfill waste, improved energy efficiency, and achieved an ROI in under two years. K&N's solution not only supported the building's sustainability goals but also offered long-term cost savings and a measurable environmental impact. The facilities team has now had the filters installed for the full ROI payback period and is continuing to enjoy the benefits of reduced impact to the waste stream, improved energy efficiency and financial savings.

The Original Red Washable, Reusable Filter™

K&N ENGINEERING
14 LONGITUDE WAY,
CORONA, CA 92881



IMPROVED AIRFLOW
PERFORMANCE



REDUCED WASTE
AND CARBON IMPACT



WASHABLE AND
EASY TO CLEAN



ENGINEERED FOR
LASTING DURABILITY



FAST RETURN
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The client was able to demonstrate significant improvement in differential pressure while also demonstrating a slowing of the build-up of dP over the legacy disposable filters. Managers were able to extend the changeout cycle from roughly 5 months to washing every 9 months. Over all the operation is more sustainable, requiring fewer deliveries and fewer waste hauls as a result of the change.

KEYS TO SUCCESS:

WASTE DIVERTED
OVER 15 YEARS

206,160 TONS

ENERGY SAVED

42,000 KW/H
PER YEAR (4%)

PAYBACK PERIOD

1.84 YEARS

TOTAL INITIATIVE SAVINGS

\$803K*

*Does not include energy performance or waste disposal and removal cost calculation

Passionate about sustainability? Let's talk: nowaste@knfilters.com

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