

CASE STUDY **Wirral, Merseyside - DUOVENT**

Flat-Pack Ventilation Solution for Unilever Laboratory

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Situation

S&P was selected to supply a ventilation system for a new high-specification laboratory facility for Unilever — a globally recognised client. This high-profile project presented multiple challenges, including complex design conditions and difficult logistics. The ventilation system needed to be installed in a plant room located on the first floor, accessible only via a narrow route through a fully operational office and factory environment, which operated 24/7.

Solution

S&P supplied a DUOVENT Unit, chosen for its performance, modular flexibility, and suitability for demanding commercial environments. To manage the site's restricted access, the unit was delivered in flat-pack form and transported through the narrow internal route on a quieter Saturday. This minimised disruption to Unilever's operations. A full route review was conducted in advance, including a walkthrough video to plan logistics in detail. S&P's engineering team returned on-site the following Tuesday to fully construct the DUOVENT unit and install the required packaged controls.

Benefits

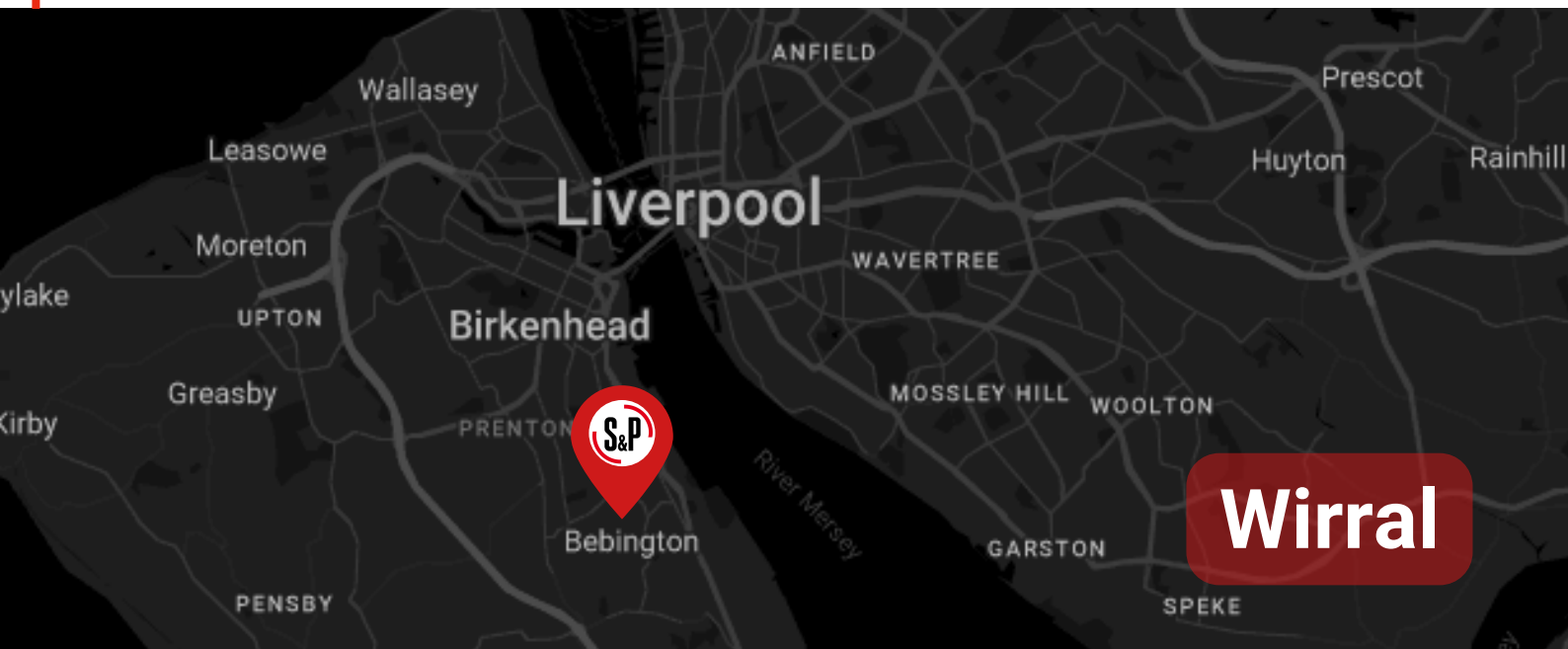
- Modular, Flat-Pack Flexibility: The DUOVENT unit's modular design allowed it to be broken down and transported through constrained spaces, then reassembled efficiently on site.
- Minimal Disruption: Strategic scheduling of delivery outside peak operational hours ensured the client's day-to-day operations were unaffected.
- Fast Turnaround: The S&P engineering team assembled the unit just days after delivery, reducing downtime and speeding up completion.
- Custom Controls: On-site fitting of packaged controls enabled precise system integration tailored to the lab's technical needs.



S&P provided a smart, well-organised solution for what was a very complex installation. Their ability to deliver a flat-pack DUOVENT unit and assemble it quickly with minimal disruption was key to the project's success

Danny Di Stefano

Director, JD Engineering (NW) Ltd



**S&P's DUOVENT, A range of customisable air handling units with air volumes up to 14 m³/s.
All models 50mm Double-Skinned Acoustic Panels to Reduce Noise with frameless construction,
providing the highest classification for both casing strength and air leakage.**

Customisable Features:

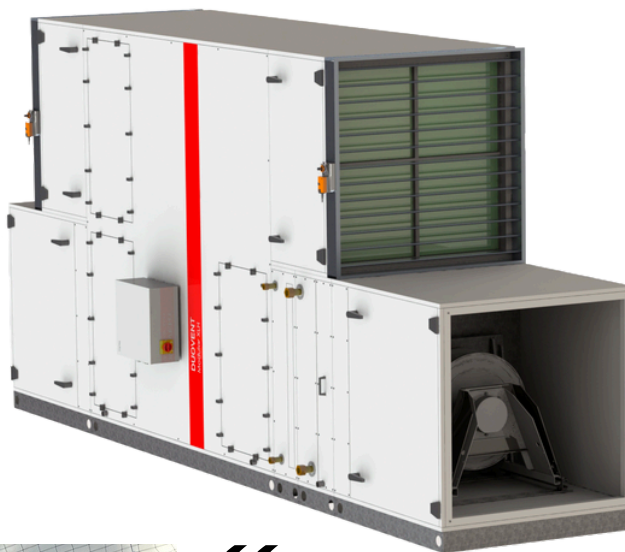
- Weatherproofing (Roofs/ Cowls/ Louvres/ Dampers)
- Dedicated lifting brackets for modular sections
- Run and Standby Fans
- Attenuators (to reduce noise)
- Lighting
- Portholes (to facilitate maintenance)
- Lockable Handles

The following finishes are available:

- RAL9002 (a grey-white colour)
- Galvanised Steel
- Stainless Steel
- C4 (Coastal Protection)
- Colour

The following Site Services Can Be Added

- Pre-Inspection
- Thermal Wheel Assembly
- Plate Exchanger Assembly
- Flatpack
- Bolt and Seal
- Casing Leakage Test
- Airflow Proving
- Wiring and Initial



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The Unilever project tested our ability to adapt quickly and deliver under tight logistical constraints. From the first site visit to final assembly, it was a coordinated effort that showcased what we do best—tailored solutions with minimal disruption

Chris Dawson

Project Sales Manager - North West



Interested in discussing these projects further or exploring potential opportunities? Reach out to Chris Dawson, Project Sales Manager - North West

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