

# CASE STUDY Retail Store, Birmingham Bullring - DUOVENT

Flat pack ventilation solution for retail space upgrade.

[WWW.SOLERPALAU.CO.UK](http://WWW.SOLERPALAU.CO.UK)

## Situation

The retail store at Birmingham Bull Ring required a new ventilation solution to enhance indoor air quality. The project, managed by McVeigh Technical Services, faced significant logistical challenges due to a very tight stairwell and limited roof access. Additionally, there was a requirement for on-site fitting of controls. The client needed a solution that could be efficiently transported and assembled under these constraints.

## Solution

S&P provided its Duovent Unit, delivered in a flat pack form. This approach allowed the unit to be easily manhandled through the narrow stairwell. Once on the roof, our experienced team reassembled the unit and fitted the necessary controls on site, ensuring seamless integration with the building's systems. This tailored solution was designed specifically to overcome the physical access challenges of the project.

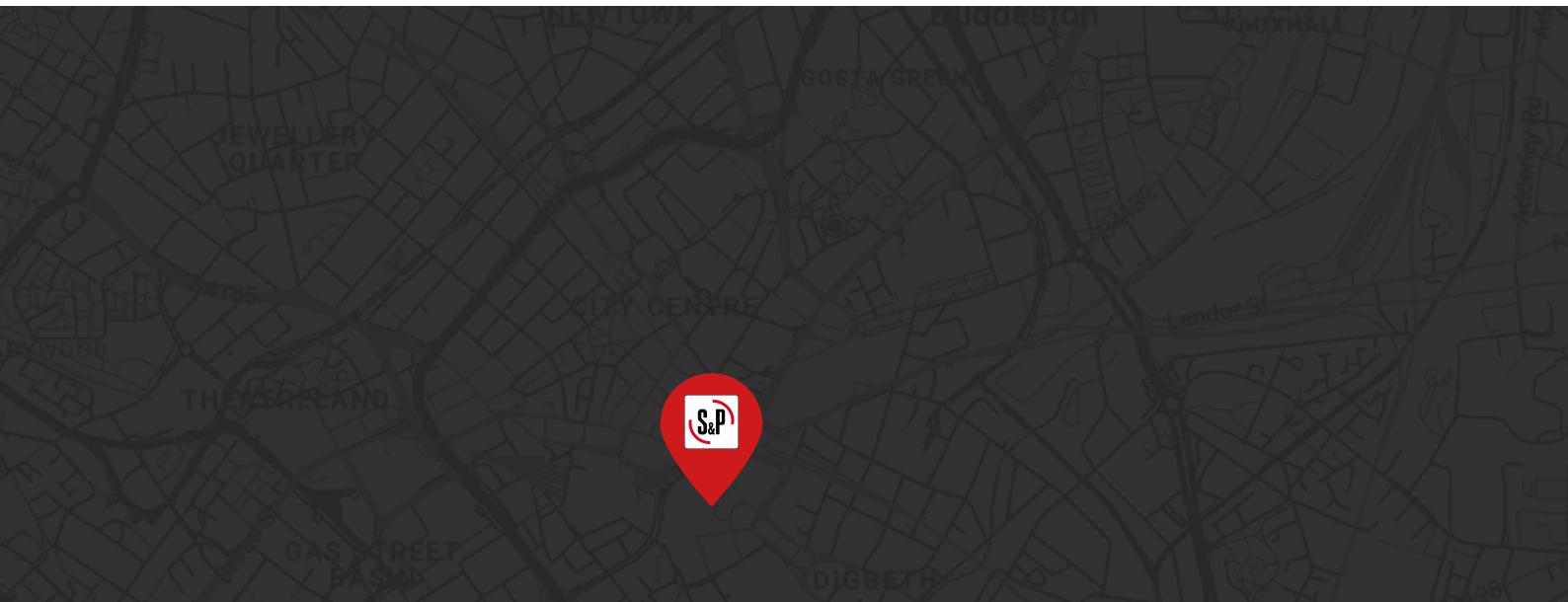
## Benefits

The use of a flat pack delivery method and on-site assembly minimized installation difficulties associated with the tight access areas. This approach enabled the project to be completed efficiently and on schedule, all while maintaining high performance and reliability. The ability to fit controls on site further ensured that the system met all operational requirements, providing a cost-effective and innovative ventilation solution for the retail store.

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Working with S&P was a breath of fresh air. Despite the tight stairwell and roof access, they delivered the unit in flat pack form and reassembled it seamlessly on site, fitting all the required controls. Their solution exceeded our expectations and allowed the project to progress efficiently.

**Tom Pottinger,**  
McVeigh Technical Services



Air  
Handling



Heat  
Recovery



Inline  
Duct



Acoustic  
Fans

**S&P's DUOVENT, A range of customisable air handling units with air volumes up to 14 m<sup>3</sup>/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 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

**The following finishes are available:**

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



Interested in discussing these projects further or exploring potential opportunities? Reach out to Steve Birks, Project Sales Manager -- Midlands

Contact Becky here: [rchaplin@solerpalau.com](mailto:rchaplin@solerpalau.com)  
07881 784631



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I'm proud that our team could deliver a tailored solution even under challenging access conditions. It's always rewarding to see our innovative approach in action.

**Steve Birks**  
Regional Sales Manager, S&P

