

Morrisons Perth

Commercial Case Study



Mansfield Pollard's refurbishment team were quickly on site to provide a solution after an interruption in supply air to the Morrisons store in the centre of the city of Perth.

THE PROJECT

Upon inspection, the existing belt driven fan had suffered catastrophic damage due to the shaft shearing completely from the impeller. More critically, with the 9m³/s AHU being completely out of service, this prevented the supply of any heated air across the main store shopping aisles, significantly impacting customer and staff comfort levels.

THE SOLUTION

Due to the size of the existing fan, a like for like replacement would require a split casing and involve costly lifting equipment to allow the fan to be assembled in position. The innovative solution was to replace the existing belt driven fan and motor with a FAN WALL of ultra-high efficiency, direct drive EC. plug fans.



- ✓ **Improved reliability**
EC fans are direct driven which means no belts and pulleys.
- ✓ **Effective redundancy**
If one of the four EC fans were to fail, the remaining fans can continue to operate to provide airflow.
- ✓ **Future Proofing**
Eliminates multiple points of failure such as belts, pulleys, and bearings becoming faulty.
- ✓ **Reduced Maintenance**
Lightweight and compact for easier maneuverability and reduced maintenance requirements.