

## 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 9m<sup>3</sup>/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.