



Honeywell International

Honeywell

KEY POINTS

- Immediate comfort improvement
- Optimised both cooling & heating
- Lower operational costs and carbon emissions
- Avoided need for costly air con
- Simple, quick installation with existing infrastructure
- Lightweight, compact, low-impact installation
- Quiet, unobtrusive operation

CLIENT

Honeywell International's Bournemouth manufacturing facility needed a cost-effective, energy-efficient solution to improve comfort, airflow circulation and temperature control. With a focus on staff productivity, operational efficiency and sustainability, they turned to Airius Destratification Systems.

CHALLENGE

Honeywell International needed to optimise cooling and reduce rising energy costs at their Bournemouth-based manufacturing facility. The existing ceiling blade fans were underperforming, failing to provide consistent airflow. This resulted in hot, stagnant areas in summer and heat loss in winter, leading to increased energy costs and discomfort for staff.

The facility required a compact, high-performance solution that would enhance cooling in warmer months while recirculating high-level heat during winter to reduce heating demand and energy consumption. The system needed to be integrated into their existing infrastructure with minimal disruption.



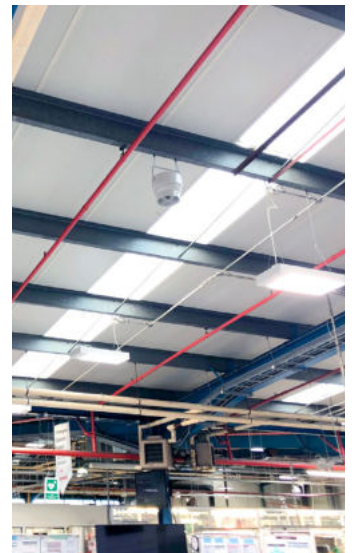
SOLUTION

Following a free site survey, Airius Pearl Series destratification fans were installed, enhancing airflow circulation and temperature distribution using minimal energy. These compact, high-efficiency fans provided immediate improvements, ensuring consistent temperatures across the facility while reducing energy consumption.

In summer, the fans optimised cooling by increasing airflow circulation and accelerating heat dissipation. This natural cooling effect reduced hot air stagnation and promoted evaporative cooling, significantly enhancing comfort for staff without air conditioning.

In winter, the destratification fans recirculated warm air trapped at ceiling level, ensuring even heat distribution across the workspace. By reducing heat loss and temperature imbalances, the system maximised heating efficiency and lowered energy costs.

The Pearl Series fans integrated simply and quickly into Honeywell's facility, requiring no structural modifications and operating quietly and unobtrusively.



Airius are the world leaders in destratification fan solutions, saving an average of 35% in HVAC energy costs by recirculating heated air which has risen to the ceiling back to the floor, or by distributing cooled air more efficiently. This reduces energy consumption, costs and cuts the carbon footprint of any building, whilst also improving comfort and environmental control.