

"A fantastic saving on our gas utility bill per annum"



Benefits

Cut heating costs significantly

Vastly improved comfort

Carbon emissions reduced

Optimises airflow circulation

Recycles process heat

Condensation issues resolved

Full turn-key solution

Overview

Client

Operating from six sites within the UK, **Norco has established itself as a leading developer of innovative plastic mouldings and lightweight composite structures**, working alongside major construction companies, the defence sector and marine industry, including serving as chief mould maker for Sunseeker luxury yachts.

Challenge

The high ceilings across all of **Norco's 80,000 ft² production facilities** in Poole, Dorset, **led to severe stratification issues**, as the heat from the HVAC system was immediately rising to the ceiling and being lost through the roof. Despite the **heating system running continuously, which incurred high energy costs, it was still unable to reach comfortable conditions** at floor level. The imbalance in temperatures was also resulting in **condensation issues, hot and cold spots** and a **high carbon footprint**.

Solution

After carrying out a **free site survey** a series of **Airius model 25 Standard Series destratification fans** were specified to recirculate the heated air from the ceiling back to the floor. Taking advantage of **Airius' full turn-key solution**, which provides a completely managed, stress free, design, supply and installation service, **the system was fitted within a week** with minimal disruption to Norco's operations. **Following installation a balance of temperature was achieved, optimising comfort while significantly reducing heating costs. Air flow circulation was improved and condensation was virtually eliminated.** In addition, the Airius system efficiently **recycles heat from manufacturing processes**, further decreasing the load on the HVAC system. **These energy savings contributed to Norco's environmental initiatives, solidifying their position in the 'Green Pea Positive Environmental Action Scheme'.**





Testimonial

"We now have Airius destratification fans in all of our main production facilities totalling 80,000 sq ft.

Each installation was carried out professionally and to an excellent standard, with the minimum of interruption to our very busy manufacturing facilities.

The main benefits for us are the vastly improved air circulation, balance of temperature throughout the buildings, low running costs, silent and stress free operation and of course a fantastic saving on our gas utility bill per annum.

I would highly recommend Airius systems for all factory and warehouse environments."

Mark Northy - Director