

LEV system reduces energy consumption in industrial production by 30 percent

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With electricity prices on the rise in the coming years, manufacturing companies are increasingly focusing on energy-saving measures. A specialist in LEV systems has noted a significant shift in demand for solutions capable of cutting electricity usage by nearly a third.

Industrial production relies on efficient Local Exhaust Ventilation (LEV) to protect employees' working environments. According to the international industry analysis organisation IBISWorld, electricity prices in the UK are projected to increase by over 13 percent annually for the next five years. As a result, more businesses are prioritising energy efficiency when planning and installing LEV systems, putting higher demands on both manufacturers and installers of LEV solutions.

[MCG Environmental Engineering](#), a company specialising in air filtration installation solutions and serving clients across various industries, is currently seeing a noticeable change in client demand.

"We are seeing a surge in demand for solutions that reduce energy consumption. Like the rest of the world, we must adapt to a world of conflict, rising prices, and environmental concerns. Consequently, we have adjusted our approach and are increasingly collaborating with suppliers who can ensure flexibility in the system. We must be able to tailor solutions that optimise energy efficiency and meet each client's specific requirements" says Mark Griffiths, Director at MCG Environmental Engineering.

Intelligent LEV

As part of its move towards customised client solutions, MCG Environmental Engineering has partnered with Danish LEV manufacturer [Geovent](#). The Midlands-based company has recently seen a significant increase in demand for solutions incorporating Geovent's MultiBox IV, a controller that matches fan speed

to current requirements, reducing energy consumption by up to 30 percent.

“We find that collaborating with Geovent gives us unprecedented flexibility thanks to how they design their products, allowing us to more precisely customize solutions. Geovent is also highly focused on energy-saving products like the MultiBox IV, which directly aligns with the market demand we’re seeing,” says Mark Griffiths.

Geovent has been committed to sustainable LEV solutions for many years, helping businesses optimise their energy consumption while meeting regulatory and environmental targets. According to Geovent, this development is a natural progression.

“We place a huge emphasis on ESG. That means we’re always looking at ways to reduce CO₂ and save energy when we develop new products. MultiBox IV is a natural step for us, designed to make it easier for businesses to achieve energy-efficient LEV without compromising on air quality. It can be adapted to each customer’s requirements and integrated into a range of production environments,” says Lee Meredith, Sales Manager at Geovent UK.

LEV Optimisation in the Food Industry

At Moores Biscuits in Bridport, MCG Environmental Engineering has installed MultiBox IV in combination with ATEX-certified GFX2-12-4 filters and MEX-500-3 fans-exactly the type of system the company had been looking for.

“The solution provided by MCG Environmental Engineering and Geovent has significantly improved the air quality in our production areas. It runs efficiently and is almost silent. Plus, we’re saving energy, which is particularly beneficial given the rising cost of electricity,” says David Winship, Data Protection Officer at Moores Biscuits.