



CASE STUDY


HARNESSING ELECTRIC FOR ENERGY MANAGEMENT





**FUCHS HARNESSES
ELECTRIC
FOR ENERGY
MANAGEMENT**

Across the world, industries are understanding the importance of minimising their environmental footprint while maximising efficiency. FUCHS, the world's largest independent lubricant manufacturer, exemplifies this commitment to sustainability through their partnership with LOVATO Electric.



This substantial investment is expected to cover more than 12% of the site's energy needs.

COLLABORATING WITH FUCHS

From the UK Headquarters in Stoke-on-Trent, FUCHS has made significant investments in renewable energy, particularly solar power. Their site boasts an impressive array of solar panels, poised to generate over 380,000 kWh of clean, renewable energy annually. This substantial investment is expected to cover more than 12% of the site's energy needs, demonstrating FUCHS' dedication to sustainable manufacturing practices.

To effectively monitor and manage their energy consumption and generation, FUCHS turned to LOVATO Electric for a comprehensive solution. As part of their compliance with the ISO 50001:2011 Energy Management System, FUCHS sought a system that could accurately measure electricity consumption, solar power generation, as well as water and gas usage.

ROI
2
MONTHS

15k+
SAVINGS YOY

100%
CONTROL

LOVATO'S SOLUTION



The solution implemented by LOVATO Electric comprises a range of cutting-edge products seamlessly integrated to provide real-time monitoring and analysis. A total of 46 DME energy meters and 14 DMG power analysers were strategically installed throughout the facility, along with interfaces and expansion modules to ensure comprehensive coverage.

Central to the system is the Synergy software by LOVATO Electric, which serves as the backbone for data collection, analysis, and reporting. This sophisticated software allows FUCHS to monitor their energy usage in granular detail, identifying areas of inefficiency and opportunities for improvement.

Synergy



*Cutting-edge products
seamlessly integrated
to provide real-time
monitoring and analysis*



DME energy meters



DMG power analysers



Interfaces and expansion modules



The real-time data provided by the system empowers FUCHS to make informed decisions, optimise energy usage, and ultimately reduce operational costs.

THE OUTCOME

The integration of LOVATO Electric's energy management solution has not only facilitated compliance with ISO50001:2011 standards but has also earned accolades from auditing inspectors. The system's ability to accurately measure and report energy consumption and generation has been commended, showcasing FUCHS' commitment to operational excellence and sustainability.

By leveraging LOVATO Electric's advanced energy management technology, FUCHS has unlocked new avenues for energy efficiency and cost savings. The real-time data provided by the system empowers

FUCHS to make informed decisions, optimise energy usage, and ultimately reduce operational costs while simultaneously reducing their environmental impact.

FUCHS' partnership with LOVATO Electric exemplifies the power of collaboration in driving sustainable manufacturing practices. Through the implementation of cutting-edge energy management solutions, FUCHS has not only met regulatory requirements but has also positioned themselves as leaders in environmental stewardship within the lubricant manufacturing industry.

To learn more about energy management with LOVATO, you can **download the LOVATO Energy Management brochure here.**

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WHERE PRECISION MEETS ENDURANCE

100 YEARS

Lovato
electric

ENERGY AND AUTOMATION

LOVATO Electric's range of electromechanical and electronic devices are meticulously crafted and tested to ensure the utmost safety and reliability. Backed by a century of Italian precision manufacturing and expertise, our products are designed with precision and built for endurance.

With a substantial UK based stock holding and bespoke assembly, we offer fast delivery of components across mainland UK and Ireland.



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