

Centrica Business Solutions: improving industrial manufacturing operations

Energy costs are one of the largest line items for manufacturing organisations, so making significant financial improvements, without compromising resilience, is the primary challenge. Centrica Business Solutions provides customers with careful energy management to help make operations more streamlined, efficient and robust in the manufacturing sector.

Our customers



Insight

Global building material supplier



By monitoring energy use across three sites, Centrica Business Solutions helped a global building materials supplier save £219,000 a year. The two-phase approach incorporated Energy Insights, Panoramic Power, to measure energy use and pinpoint consumption across different equipment, buildings and plants.



Solutions

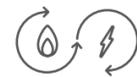
Global automotive manufacturer



Centrica Business Solutions created the UK's largest factory-connected solar photovoltaic (PV) system for an automotive manufacturer. This involved installing 17,000 PV modules, 240 inverters and 140km of cabling and associated HV works. Electricity costs have been cut, with 5% of the plant's energy now solar powered.



Hungarian tyre producer

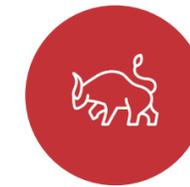


Centrica Business Solutions designed, built and installed a bespoke 200-tonne C-RCO polluted air burner unit with a 350 kW industrial burner at a tyre manufacturing plant. The site can now process an additional 17,000 tyres per day, a 50% increase in usual daily production, without negatively impacting on the environment.



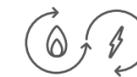
Enabling businesses to make the most of distributed energy to power their performance, resilience and future.

Delivered through energy insights, optimisation and solutions.



Solutions

Italian tannery



A CHP cogeneration unit, with a nominal power of 230 kW_e was installed at a leather production site. At full capacity the plant now operates at around 6,300 hours per year, and has achieved significant savings in production costs with a 10% reduction of electricity and natural gas costs and lower impact on the environment.



Italian shoe factory

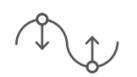


The new 530 kW electric power CHP unit was installed at a shoe factory in Italy. It needed to operate continuously to cover the energy needs of the company's production processes, for an annual electricity production of 2,600 MWh_e. The plant has benefitted from covering almost 60% of the company's electricity needs and reducing CO₂ emissions by up to 30%.



Optimisation

Belgian steel and mining plant



To mitigate growing costs from energy taxes, transport and renewables levies, a steel producer in Belgium decided to focus on energy optimisation and trading. A landmark agreement between the steel and mining company and Europe's leading Demand Side Response (DSR) business, REstore (now part of Centrica Business Solutions), returns up to 150 MW to the transmission grid at peak periods.