

Case study booklet

Centrica Business Solutions: Partnering with organisations worldwide

We have helped a variety of organisations worldwide balance their energy cost efficiency, while maintaining their long-term decarbonisation strategy



Contents:

- 01 **Balancing Cost & Carbon Goals**
- 02 DST Leconfield
- 03 Accord Healthcare
- 04 Pincroft
- 05 Moog
- 06 Cost & Carbon Work Together

Although energy cost efficiency continues to be a concern for organisations, there is still an opportunity to balance cost and carbon reduction.

Many organisations are struggling to focus on their long-term decarbonisation goals, as they shift their attention to putting out fires in this volatile market. The good news is, we understand that achieving the twin goals of energy cost reduction and sustainability are not mutually exclusive. If fact, they can work together to ensure that your organisation achieves both.

Organisations that are thriving have often made significant progress in investing in new technologies and systems to improve their energy use and predictability. Although these investments typically come with upfront costs, many of these investments now have shorter payback times, which increases their attractiveness and builds the foundation for further initiatives.

Neglecting your long-term sustainability goals is risky

As you know, neglecting your long-term sustainability goals could be financially risky. The fact that organisations can both reduce costs and shrink their carbon footprint by implementing low-carbon and zero-carbon technologies demonstrates that there is still a business case for continuing to pursue net zero. It is essential that organisations select the right partner to help them achieve both goals.

At Centrica Business Solutions, we have the experience of working with a variety of different organisations to help find a solution that fits in with their overall strategy and here are a few examples. Read on to hear about the solutions we've implemented.





Contents:

- 01 Balancing Cost & Carbon Goals
- 02 DST Leconfield**
- 03 Accord Healthcare
- 04 Pincroft
- 05 Moog
- 06 Cost & Carbon Work Together

The British Army's first 2.3MW solar farm spans approximately four hectares, and helps to deliver a massive 700 tCO₂e annual carbon reduction.

The challenge

When the British Army wanted to increase renewable energy generation across the defence estate, they commissioned a number of pilot sites, and turned to Centrica Business Solutions for support.

The solution

Centrica Business Solutions has constructed a 2.3MW solar farm at the Army's Defence School of Transport (DST) in Leconfield, comprised of 4,248 Trina Vertex panels, which is predicted to supply the DST with one-third of its electricity needs.

The result

The three further pilot solar installations will be constructed at Duke of Gloucester Barracks, South Cerney, Gloucestershire; Rock Barracks, Suffolk; and Baker Barracks on Thorney Island, Sussex, with the aspiration to deliver a further circa 80 solar farms across the Army estate in the next ten years.

Together, the four pilot sites will result in £1-million in efficiency savings and reduce emissions by 700 tCO₂e (tonnes of carbon dioxide equivalent) per year. These cost savings will be reinvested into Army infrastructure and help to reach the Army's ambition of Net Zero by 2050.

“Our first operational solar farm at Leconfield marks a key milestone in the Army's go-green agenda; it showcases our firm commitment to tackle the effects of climate change, harnessing renewable energy to power our estate.”

MAJOR GENERAL DAVID SOUTHALL

Director Basing and Infrastructure and the Army's Sustainability Champion, The British Army

2.3_{MW}
solar farm

700
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4,248
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[Find out more →](#)



Contents:

- 01 Balancing Cost & Carbon Goals
- 02 DST Leconfield
- 03 Accord Healthcare**
- 04 Pincroft
- 05 Moog
- 06 Cost & Carbon Work Together

Accord Healthcare is a fast-growing global pharmaceutical company that develops, manufactures and distributes generic, biosimilar and added-value medicines in over 85 countries worldwide.

The challenge

Accord Healthcare has a large manufacturing, packaging and logistics presence both in the UK and across the EU. This includes a 22 acre site at Fawdon, Newcastle upon Tyne. A location for packaging, formulation, sterile facilities, and warehousing, Fawdon has undergone significant investment by Accord Healthcare and recently the focus has switched to optimisation of energy usage.

The solution

In-depth feasibility studies showed that Fawdon could achieve huge cost and efficiency gains from a Combined Heat & Power (CHP) unit. Centrica Business Solutions installed a CHP unit that is situated adjacent to the site's energy centre, which has two ten-ton boilers that provide heating and cooling for the entire facility. "Centrica Business Solutions' installation was very professional with excellent project management. Inspections and vetting throughout the COVID-19 pandemic were second to none," says Joseph Leddy, Senior Director for Health and Safety at Accord Healthcare.

The result

Accord Healthcare anticipates the CHP will deliver between 80% and 90% of the electricity required by the Fawdon site. The unit was acquired under a five-year Discount Energy Purchase (DEP) agreement with Centrica Business Solutions and during that period anticipated cost savings on electricity spend will be 10%. This saving is expected to increase after the five-year period.

“Our procurement criteria included innovation, quality, health and safety, and cost. We applied these to each supplier and Centrica Business Solutions came out on top.”

JOSEPH LEDDY

Senior Director for Health and Safety,
Accord Healthcare

80%
to 90% of electricity
requirement delivered
by CHP

10%
initial saving on
electricity spend but
expected to increase

80%
energy efficiency
per kWh

[Find out more →](#)



Contents:

- 01 Balancing Cost & Carbon Goals
- 02 DST Leconfield
- 03 Accord Healthcare
- 04 Pincroft**
- 05 Moog
- 06 Cost & Carbon Work Together

Pincroft is one of Europe’s largest commission textile finishers, finishing a diverse range of fabrics that are exported to more than 80 countries worldwide.

The challenge

Pincroft’s operations are very energy intensive, requiring large amounts of hot water and steam alongside a substantial amount of electricity. They believed that energy was being wasted across their operations, however they did not have the visibility required across their energy-consuming assets to prove this and take corrective actions.

The solution

Recognising both the environmental and economic benefits of minimising energy waste, Pincroft began to explore options to gain this visibility. This led to Pincroft partnering with Centrica Business Solutions to implement an energy insights solution. Non-intrusive Panoramic Power sensors were deployed, collecting real-time energy data from over 100 sources across their critical energy-consuming assets. In addition, they also leveraged Panoramic Power™ communication bridges to capture third party meters monitoring their hot and cold water, steam and gas, alongside their production lines output. Through PowerRadar™, Pincroft can extract the data to carry out further in-depth analysis in their in-house Power BI platform.

The result

With a payback period of just three months, the energy insights solution has transformed how Pincroft manages energy across their operations. To date, Pincroft has reduced their weekend energy spend by 94% and weekday energy spend by 29%. This has put them on track to achieve CO₂ savings of 648 tonnes compared to 2019.

“Panoramic Power plays a big part in maintaining operational excellence at our facility. Once you’ve had these insights, you wouldn’t want to be without it.”

MIKE COLLINS

Managing Director, Pincroft

94%
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29%
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Contents:

- 01 Balancing Cost & Carbon Goals
- 02 DST Leconfield
- 03 Accord Healthcare
- 04 Pincroft
- 05 Moog**
- 06 Cost & Carbon Work Together

Moog is an American-based global engineering company that specialises in solving its customers’ most technical challenges in 90 locations across 25 countries and nine time zones.

The challenge

With the environmental, social, and governance (ESG) framework gaining pace in all business and government sectors, Moog knows it must demonstrate to customers its potential as a “clean” partner that is sustainable and environmentally viable for the long term. Resolved to understanding and tackling its carbon emissions, Moog set about finding a trusted partner to help improve its sustainability and support it on its decarbonisation journey.

The solution

Aware of the complexities involved in decarbonisation, Moog approached Centrica Business Solutions to help demystify the process and support its transition toward best practices for all ESG matters. Centrica’s Net Zero Pathway Advisory Services team utilises science-based methodologies to define an actionable pathway of decarbonization activities. Using this methodology, the team completed an audit across five regionally diverse Moog sites and identified a series of measures that would put Moog on the pathway to net zero.

The result

The pilot studies across the five regionally diverse sites identified how Moog can achieve various near-term ambition scenarios, with a 50% reduction in carbon emissions by 2032 and reaching net zero by 2044 for the specific sites that were reviewed, detailing measures in terms of technology, time, and investment.

“Centrica Business Solutions is a good partner to us; they listen to what we’re saying, how we’re saying it, and what we’re trying to achieve. I’m very happy with them.”

HAMISH FERGUSON

VP, Sustainability and ESG Direct, Moog

5
sites consulted on

50%
by 2032, targeted
CO2 reduction for the
sites consulted on

2044
net zero goal year for
the sites consulted on

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Contents:

- 01 Balancing Cost & Carbon Goals
- 02 DST Leconfield
- 03 Accord Healthcare
- 04 Pincroft
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Leaders need to recognise that their energy needs, and decarbonisation goals do not have to conflict. Net zero and cost efficiency can work together.

We have seen countless instances where the strategies and tactics organisations use to reduce costs in the short-term can also support their long-term decarbonisation efforts.

Organisations that step off the path to net zero because they think they cannot afford it are making a mistake. They risk competitive disadvantage and higher medium- to long-term costs. Therefore, leaders need to recognise that their energy needs, and decarbonisation goals do not have to conflict. Net zero and cost efficiency can work together.

Yes, staying committed to sustainability requires courage and focus because of today's tough environment. But organisations can, and must, make the case for net zero. A business case for investment in decarbonisation can give them the efficiency and predictability they crave.

Our comprehensive report will give you a unique perspective into how other organisations have adapted to the challenges of the current climate and will give you invaluable insight that is not available anywhere else.

Take action today to keep on track. Download the report to understand the practical steps your organisation can take to balance cost and carbon goals.

[Download our report →](#)



Find out more

At Centrica Business Solutions, we provide energy expertise and solutions to organisations around the world to improve their operational efficiency, increase resilience and help them become a sustainable business.

We are part of Centrica plc, an international energy services and solutions company that's focused on helping businesses and households to live sustainably, simply and affordably.

To find out more about how we can help:

e: centricabusinesssolutions.UK@centrica.com

w: [centricabusinesssolutions.com](https://www.centricabusinesssolutions.com)



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