

## First-of-its-kind FLEXPOWER PLUS® gas engine power plant with CO<sub>2</sub> recovery in the UK, now in commercial operation.



### Highlights

- Landmark collaboration between Rolls-Royce, Landmark Power Holdings, ASCO and Victory Hill
- Privately funded, clean energy that supports the UK's transition to net zero
- Circular economy approach generates electricity while capturing and recycling CO<sub>2</sub>
- The High-purity CO<sub>2</sub> recovered for commercial use in the food and beverage industry
- The plant in Worksop is a prototype for the **FLEXPOWER PLUS®** solution from Landmark, Rolls-Royce, and ASCO

### A major step in clean, flexible power innovation

The UK's first power plant built with Landmark Power Holdings' patented **FLEXPOWER PLUS®** concept is now in commercial operation. The plant is a collaborative development by the three partners Rolls-Royce Power Systems, Landmark Power Holdings Ltd., ASCO Carbon Dioxide Ltd., and funded by Victory Hill Capital Partners through RPL, a dedicated joint venture vehicle.

Located in Worksop, Nottinghamshire, the 10-megawatt facility is the first deployment of the **FLEXPOWER PLUS®** concept, which combines advanced mtu gas engine technology, high-efficiency heat recovery systems, and integrated CO<sub>2</sub> capture to deliver clean, efficient and flexible power and food-grade CO<sub>2</sub>. The plant will capture up to 30,000 tons of CO<sub>2</sub> per year.



The power plant supplies electricity to the grid for more than 10,000 households, helping to ensure its stability. Meanwhile, the heat produced by the combined heat and power plants is utilised to support CO<sub>2</sub> recovery.

Michael Stipa, Senior Vice President, Business Development and Product Management, Stationary Power Solutions at Rolls-Royce Power Systems:

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*“FLEXPOWER PLUS® is an important step forward in decentralised energy. Its ability to deliver fast, clean, and reliable power with integrated carbon capture makes it a future-proof solution for a net-zero grid. The Rhodesia project shows what’s possible when you combine advanced engine technology with carbon-conscious design.”*

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Rolls-Royce has supplied six highly efficient combined heat and power plants based on mtu Series 4000 L64FNER gas engines for the power plant in Worksop and will ensure the reliable operation of the plant for ten years under a maintenance contract.

Mick Avison, Founder and CEO of Landmark Power Holdings:

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*“FLEXPOWER PLUS® is more than a power plant – it’s a blueprint for the future of energy generation. It brings together proven technologies in a new way to meet the UK’s need for flexible, low-carbon baseload power. The Rhodesia project marks the first full deployment of this model, and we’re proud to be leading this innovation alongside Rolls-Royce, ASCO and with the support of Victory Hill.”*

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Ralph Spring, Managing Director of ASCO Carbon Dioxide Ltd., said:

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*“Carbon capture has typically been seen as the domain of large industrial emitters. FLEXPOWER PLUS® brings it into smaller, distributed applications—where it can make a huge cumulative impact. As CO<sub>2</sub> pricing rises and net-zero targets tighten, this model is a timely and valuable solution.”*

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ASCO Carbon Dioxide Ltd. has delivered the carbon recovery system, capable of capturing and liquefying up to 30,000 tonnes of CO<sub>2</sub> annually. The recovered CO<sub>2</sub> is already being sold into the food and beverage sector, supporting circular economy principles and creating new commercial opportunities.

Axpo supplies the gas for the FLEXPOWER PLUS® gas engine power plant and acquires the generated power, thereby establishing a comprehensive route to market for both gas and electricity.

Rob Bullyment, Senior Originator of Axpo in the UK, said:

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*“By providing a reliable route to market for gas and power, we are able to optimise operations in response to market dynamics. Our engagement enhances the local energy landscape and supports our broader mission to facilitate the UK’s transition to a more sustainable future.”*

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The Rhodesia site marks the first full-scale application of the **FLEXPOWER PLUS**<sup>®</sup> concept, which has been designed for rapid replication across the UK and internationally. Its modular approach allows for scalable deployment, helping to support the grid during periods of high renewable output volatility while capturing and utilising carbon emissions.

FLEXPOWER PLUS<sup>®</sup> represents a practical and commercially viable model for flexible, low-emission baseload power that supports the UK's wider decarbonisation strategy.

## Notes to Editors

### Rolls-Royce Power Systems

Rolls-Royce Power Systems, a business unit of Rolls-Royce plc, is a leading global provider of high-performance power and propulsion solutions under the mtu brand. Its portfolio includes diesel and gas engines, battery storage systems, and digital solutions that drive the transition to climate-neutral energy systems.

### Landmark Power Holdings

Landmark Power Holdings Ltd. is a UK-based developer and operator of decarbonised gas-fired power plants and the owner of FLEXPOWER PLUS<sup>®</sup>. It supports the energy transition by combining proven technologies to deliver distributed, clean, and flexible power solutions.

<https://lmp-h-uk.com>

### ASCO Carbon Dioxide Ltd.

ASCO is a leading provider of CO<sub>2</sub> recovery and liquefaction systems, offering carbon capture and reuse (CCR) technologies to various industries, including food and beverage, fuel synthesis, and sustainable aviation fuels.

### Victory Hill Capital Advisors LLP

Victory Hill Capital Partners LLP is authorised and regulated by the Financial Conduct Authority (FRN 961570). Victory Hill is the funding partner of Rhodesia Power Limited – the joint venture established to develop and operate the Rhodesia plant – and plays a central role in supporting the UK's energy transition through sustainable infrastructure investment.

### Axpo

Axpo is Switzerland's largest energy producer and a major player in energy trading and the marketing of solar and wind power. Axpo combines the experience and expertise of more than 7,000 employees who are driven by a passion for innovation, collaboration and impactful change. The company operates in over 30 countries in Europe, North America, and Asia. Axpo is dedicated to building a sustainable future through innovative energy solutions



