

AVK and Landmark Power Holdings (LMPH) Sign a Strategic Agreement to Deliver Low-Carbon, Prime Power Solutions for Data Centres



Worksop **FLEXPPOWER PLUS®** site

Highlights

AVK and LMPH to collaborate on delivering low-carbon, resilient power solutions for mission-critical and hyperscale data centres

The agreement marks the next step in preparing for future-ready power infrastructure, combining AVK's resilient microgrid expertise with LMPH's proven FLEXPPOWER PLUS® technology

The partnership supports the advancement of carbon capture technology commercialisation, particularly within the UK market

Planned project pipeline for collaboration with AVK to include 30MW at Mill Hill, 20MW at Dagenham and up to 300MW at Heathrow and Iver

In an industry-leading initiative for the UK, [AVK](#) has signed a memorandum of understanding with [Landmark Power Holdings](#) (LMPH) to develop low-carbon, behind-the-meter (BTM) power solutions tailored for data centres.

Building on the existing pilot installation initiative and the global scaling ambitions of the successful trilateral partnership between Landmark, ASCO, and Rolls-Royce, AVK's initiative aims to support Landmark's efforts to integrate carbon capture with Rolls-Royce's **mtu** gas reciprocating engines and ASCO's leading carbon capture technology. Addressing the urgent demand for sustainable power solutions in data centres.

AVK is the largest and fastest-growing supplier of innovative power solutions for data centres and leading organisations in the UK and Europe. LMPH develops efficient, low-carbon power plants using its patented **FLEXPOWER PLUS®** technology, converting conventional gas-fired generation into clean, flexible and distributed energy.

In the scaling of **FLEXPOWER PLUS®** LMPH work with ASCO for state-of-the-art carbon capture technology, and Rolls-Royce, through its **mtu** brand, for advanced reciprocating gas and diesel engines. These technologies underpin the AVK-LMPH initiative, ensuring a reliable supply chain and strong R&D foundation.

The agreement positions AVK and LMPH at the forefront of energy innovation, combining proven carbon capture technology with resilient power infrastructures to address one of the industry's most pressing challenges – how to decarbonise power for data centres while maintaining reliability and efficiency. Their integrated approach lays the groundwork for the **next generation of microgrids and dispatchable power systems**, essential as hyperscale and AI infrastructure drive unprecedented energy demand.

A new approach that also provides offtake opportunities for carbon sequestration and utilisation.

Under the three-year agreement, with potential for extension, the partners will deploy **mtu** gas reciprocating engines enhanced with ASCO carbon capture, integrated into advanced microgrid systems. AVK will lead on design, planning, implementation and maintenance services, including front-end EPC (engineering, procurement and construction). LMPH brings proven experience from its operational 10MW peaking plant in Worksop, North Nottinghamshire, where **FLEXPOWER PLUS®** has already been deployed at scale. This site demonstrates how carbon capture can be practically integrated with **mtu** reciprocating engines, making this partnership not just an ambition but a solution already tested in the field.

The UK project pipeline includes:

- A 30MW consented site at Mill Hill, County Durham
- A 20MW BTM development in Dagenham

Further expansion is planned across the European Economic Area, including the EU, Norway and Iceland.

Together, AVK, LMPH and its Partners Rolls-Royce and ASCO are proving that decarbonisation is not a theoretical exercise; it is already the reality. These developments represent the next step in the journey towards fully integrated, low-carbon microgrid ecosystems designed for the critical power demands of modern data centres.

Ben Pritchard, CEO, AVK-SEG comments:

“This strategic agreement represents a major step in AVK’s commitment to delivering sustainable power solutions for the rapidly growing data centre industry. It is also a next step in preparing for the future of microgrids and dispatchable power – essential as hyperscalers and AI infrastructure drive unprecedented energy demand. Flexpower Plus complements our full power chain capabilities perfectly, including our work on prime power and microgrids, as well as standby and modular power pods. By combining AVK’s engineering and delivery expertise with Landmark’s ASCO’s, and Rolls-Royce’s technologies proven carbon capture and power technology, we are creating a brand new route to reliable, low-carbon energy that will not just meet the urgent need for sustainable data centre power solutions but also pave the way for future ground-breaking developments.”

Mick Avison, Founder and CEO at LMPH, adds:

*“Patented in the UK, EU and US, our **FLEXPOWER PLUS**® has already demonstrated its effectiveness at scale, and this agreement with AVK, besides the existing Partnership with ASCO and Rolls-Royce, allows us to bring that proven capability to the demanding data centre sector. With these BTM power solutions, we are pushing forward together in delivering on a joint vision for decarbonising data centres without compromising on resilience.”*

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About AVK

AVK is the largest and fastest-growing supplier of innovative power solutions for data centres and leading UK and European organisations. We specialise in all aspects of design, planning, implementation, and continuing maintenance.

At AVK, we power tomorrow's data. We are transforming the way the data industry connects to and consumes energy by developing innovative and sustainable solutions. We deploy leading-edge solutions for our clients, helping them to meet their power demands alongside their sustainability goals.

With offices and hubs across the UK and Europe, AVK is in a unique position, in terms of operational scale and delivery capabilities to tackle complex, large-scale, and groundbreaking engineering and energy projects.

[AVK - Powering Tomorrow's Data](#)

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®. LMPH supports the energy transition by combining proven technologies to deliver distributed, clean, and flexible power solutions.

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