

PRESS RELEASE

ASCO & Landmark Power Holdings: Pioneering Carbon Capture & Utilization ("CCU") project nears completion

The UK's first high efficiency power plant connected with ASCO carbon capturing equipment is currently under construction in Rhodesia, Worksop, in Nottinghamshire. ASCO Carbon Dioxide is supplying the CO₂ recovery and processing equipment, which will capture and utilize four tons of liquid CO₂ per hour ("Carbon Capture & Utilization" or "CCU").

The £ 30 million plant in Nottinghamshire, UK is the first to be developed using Landmark Power Holdings' FlexPower Plus® technology for high efficiency carbon neutral generation. The 10MW plant will supply power to around 10,000 households.



The plant incorporates a range of well-established and proven technologies from some of the world's leading industrial technology companies, including ASCO Carbon Dioxide Ltd.

"The fact, that ASCO is part of this unique project, working alongside with great companies to deliver UK's first decarbonised energy power plant makes us incredibly proud. This will be a game changer and a model of sustainable energy generation worldwide to achieve the important "net-zero" climate goals" says Fabian Weber, Director Marketing & Communications, ASCO Carbon Dioxide.

Mick Avison, founder and managing director of Landmark Power Holdings adds: *"We are proud to be making significant progress in our mission to bring climate-neutral power to the UK through the construction of our power plants, and we are very pleased to have ASCO Carbon Dioxide as a partner on this journey. Their expertise and commitment to sustainability align perfectly with our vision for increased circularity in energy generation."*

Off-take agreement for captured CO₂ signed even before project commissioning

The ASCO CO₂ recovery units at the Rhodesia plant will capture the CO₂ in the flue gas from the project's Rolls Royce MTU gas fired engines and process it into food-grade liquid CO₂. BUSE Gases Ltd, a leading global supplier of industrial and specialty gases, have signed a contract to purchase the food-grade CO₂ for 15 years, even before the project is commissioned. The contract is also a first of its kind.

“The start of CO₂ deliveries is set for early 2024. However, if some quantities are available earlier, we can easily access them. In principle, this agreement guarantees a stable and reliable supply of tens of thousands of tons of food-grade CO₂ per year, independent of any fertilizer production,” said Dimitris Sfikas, CEO of BUSE Gases Ltd.

Fabian Weber is also pleased with the CO₂ offtake agreement: *«This shows the possibilities of Carbon Capture & Utilization. The use of food-grade CO₂, e.g., in the food and beverage industry, forms a value-added cycle that becomes more stable and independent through sources away from ammonia production. The CO₂ producer significantly reduces its carbon footprint, gas companies like BUSE explore new sources, and industries with CO₂ demand have higher security of supply. A classic win-win-win situation.»*

About ASCO

Swiss ASCO CARBON DIOXIDE LTD is a worldwide operating company offering complete solutions around CO₂ and dry ice. The range of services goes from CO₂ recovery systems, dry ice production machines, CO₂ bottle filling systems, CO₂ evaporators, ASCOJET dry ice blasting equipment to CO₂ storage tanks, CO₂ dosing systems for water neutralization and various other CO₂ and dry ice equipment. Thanks to this broad product range and more than 130 years of practical experience in the comprehensive CO₂ and dry ice field, the customer benefits from individual, complete CO₂ solutions from a single source.

Since 2007, ASCO has been part of the international industrial gases company Messer Group and is its competence center for CO₂. Through the merger with the German BUSE Gastek GmbH & Co. KG, based in Bad Hönningen, Germany, in 2014, the joint know-how and product portfolio was bundled and significantly expanded, especially in the complex field of CO₂ recovery. In July 2016, the US subsidiary ASCO CARBON DIOXIDE INC (ASCO Inc.) was founded with headquarters in Orange Park, Florida. ascoco2.com

Landmark Power Holdings

Landmark Power Holdings Limited (or LMPH) was established by a highly experienced management team to help build the circular economy, by applying new methodologies to well established technologies.

LMPH develops, builds and operates decarbonised, flexible power plants, using its core Intellectual Property of FLEXPOWER PLUS® (FPP). Flex Power Plus is LMPH's modular approach to optimising the generation of clean flexible power. It is a combination of High Efficiency Flexible Power Generation modules and Carbon Capture Utilization (CCU) modules.

LMPH's ambition is to develop 1GW of flexible clean power plants in the UK by 2030, supporting UK's energy transition.

lmp-uk.com

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