

Media Release

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Encyclis green lights Kanadevia Inova to build UK's first full-scale Carbon Capture facility at Protos

ENCYCLIS HAS SIGNED A FINAL INVESTMENT DECISION AND INSTRUCTED KANADEVIA INOVA TO PROCEED TO BUILD THE FIRST FULL-SCALE CARBON CAPTURE FACILITY AT A UK WASTE-TO-ENERGY PLANT

Protos, England. Kanadevia Inova has been given Notice-To-Proceed instructions by its long-term client Encyclis to build the first full-scale carbon capture project at a UK waste to energy (WtE) facility.

With planning and environmental permitting permissions granted, the three-and-half-year construction and commissioning programme will deliver this flagship project at Protos Energy Recovery Facility (ERF) near Ellesmere Port in Cheshire.

Serving as the Engineering, Procurement and Construction contractor, Kanadevia Inova will utilise its amine scrubbing technology to capture and collect around 370,000 tonnes of carbon dioxide (CO₂) each year from one of the UK's newest WtE facilities. This major decarbonisation project will integrate this cutting-edge technology to the operational plant to begin a new era of carbon capture to a growing UK market.

The two-line carbon capture facility will be sited immediately next to the WtE plant. It will capture a mixture of biogenic and fossil CO₂ which are released in the combustion of non-recyclable waste at Protos ERF. While WtE facilities are the most climate friendly waste management option for treating non-recyclable materials, when combined with carbon capture and storage (CCS) technology, Protos ERF will become a negative emitter. Kanadevia Inova's advanced technologies will reliably capture large quantities of CO₂ from the flue gas which will be permanently and securely stored in depleted gas reservoirs under Liverpool Bay through the HyNet North West network.

"After the successful implementation of Carbon Capture technology at two pilot projects at Ferrybridge and Rookery South, Kanadevia Inova is extremely proud to be designing and building this full-scale decarbonisation project for our long-term clients Encyclis at Protos Energy Recovery Facility," said Fabio Dinale, Executive VP of Business Development at Kanadevia Inova. "This landmark project in the UK sits at the core of our global mission and vision, marking the beginning of a new era in delivering carbon capture solutions to growing markets in the UK and across the globe. Capturing carbon dioxide from industrial flue gas – a key component of many governments' Net Zero strategies - this full-size plant will benefit current and future generations."

Mark Burrows-Smith, CEO of Encyclis, said: "We are pleased to be partnering once again with Kanadevia Inova, this time to build and commission a landmark carbon capture plant. Harnessing Kanadevia Inova's proven carbon capture technology, we are working to transform waste treatment in the UK, not only accelerating progress towards climate change targets but clearing a pathway for wider deployment. Encyclis is already a leader in the safe and efficient recovery of resources from residual waste and this development unlocks opportunities for further growth."

Kanadevia Inova's project execution team will shortly commence construction works on the new carbon capture facility. After the three-and-a-half-year build, encompassing substantial integration works and the plant's commissioning phases, this groundbreaking facility is scheduled to be handed over to Encyclis in mid-2029.

To find out more about Encyclis' Protos Energy Recovery Facility, please visit <https://www.protoserf.co.uk/>.

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About Kanadevia Inova

Kanadevia Inova, formerly Hitachi Zosen Inova, is a global green-tech leader that pioneers innovative solutions for the energy transition, the circular economy and decarbonisation.

Headquartered in Zurich and employing over 3,300 people in 17 countries, Kanadevia Inova specialises in Waste to X (WtX) and Renewable Gas (RG), delivering turnkey plants and system solutions that transform waste and biogenic residues into valuable resources.

As part of Kanadevia Corporation, our mission is to bring long-term value to society and contribute to a future free of wasted waste. We take a holistic approach – from project development, engineering, procurement and construction (EPC) to service throughout a plant's life cycle. By integrating advanced technology and continuous research and development, we ensure that each project is designed to achieve optimal performance.

With more than 1,600 reference projects completed globally, our team delivers innovative, customer-centric solutions to both established market leaders and partners in emerging markets.

Find out more about our company at www.kanadevia-inova.com.

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