



Swindon gas plant

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Advanced Biofuel Solutions Ltd (ABSL), a proven developer and producer of ...

ABSL provides design and support services to engineering contractors and third-party developers of advanced biofuel facilities. They also own and operate the world's first plant that converts household waste into bio-substitute natural gas (bioSNG) through gasification.

Located in Swindon, UK, the ABSL demonstration facility converts 8,000 tonnes of waste into 22 GWh of gas each year using RadGas technology.

RadGas is a specialized technology that converts waste and biomass materials into synthesis gas integrating a fluid bed gasifier, direct current (dc) plasma furnace, and heat recovery boiler. It offers a highly efficient, reliable process, producing a synthesis gas (syngas) free of tars and particulates.

Hatch began its relationship with ABSL advising on the operation of the dc plasma furnace in Swindon.

The strategic alliance will see Hatch develop a design and delivery plan for a commercial dc scale furnace specifically for RadGas, as well as offer the integration of RadGas with other product technologies to deliver end-to-end solutions to the market.

ABSL's RadGas technology has tremendous potential as a GHG-reducing solution for turning waste into low-carbon products. We are proud to contribute our well-honed furnace technology and unique ability to engineer and deliver integrated, technologically advanced, and complex facilities, said Robert Francki, Global Managing Director of Energy at Hatch.

Hatch is an established technology development, global engineering, project execution, and professional services firm, providing services from project conception through implementation and operations support.

Hatch will bring its industry-leading plasma furnace technology and experience in designing end-to-end gasification solutions to complement ABSL and the RadGas technology line-up.

Hatch has global experience with electric smelting furnaces throughout its sixty-eight-year history. Many of the facilities implemented with Hatch furnace technology are unique, and customized to the specific application.

The RadGas requirements fit well within Hatch's range of experience.

We see this strategic alliance as an exciting step to building a long-term partnership that will underpin



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delivering a robust technology today and long into the future. Hatch's gasification expertise and technology implementation heritage bring world-class delivery capability to our RadGas offering, said Nathan Burkey, Executive Chairman of ABSL.

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Web: <https://kary.com.pl/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

