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Commercial Scale Bio-SPK Site Identified – Solena Fuels Project in Germany

Solena Fuels Corporation has identified a site for its first Sustainable Biofuel Facility in Germany at the PCK Industry Park in Schwedt/Oder. The project will sell to Lufthansa the bio synthetic paraffinic kerosene (Bio-SPK) produced by the facility as a drop-in, certified jet fuel with the aim to be prospectively used on commercial flights. The project will be a first of its kind in Central Europe **providing large scale diversion of waste from landfills and incinerators into synthetic biofuels to be used on commercial basis.**

“Lufthansa is pleased to assist Solena in developing its first plant in Germany and is working towards a long-term, bankable offtake agreement with Solena Fuels,” stated Joachim Buse, Vice President Aviation Biofuels for Lufthansa. Mr. Buse continued, “We believe that Solena’s capabilities to process multiple types of waste feedstock represent a good opportunity in our endeavor to meet our emission reduction commitments.”

The facility will convert more than 520,000 tonnes of waste biomass into jet fuel, diesel fuel and electricity. Solena and Lufthansa have signed a MoU for the joint development of a sustainable alternative fuel supply which would include delivery to Berlin Brandenburg Airport.

“Solena Fuels is excited to be partnering with Lufthansa in the development of a sustainable biofuels facility in Germany,” stated Dr. Robert Do, CEO of Solena Fuels. “Lufthansa has been a pioneer in the biofuels industry and we are pleased to see their support to FT-SPK, an industry accepted fuel which meets and exceeds ETS standards based on both Roundtable on Sustainable Biofuels (RSB) schemes and Renewable Energy Directive (RED) methodology for Life Cycle Analysis (LCA) evaluation”, continued Dr. Do.

Fischer-Tropsch (FT) fuels blended and combusted with petroleum-based fuel, contain negligible particulate matter, help reduce greenhouse gas and supports the reduction of SO₂ in transportation emissions addressing energy and environment concerns. Solena’s facility will divert waste from landfills and utilize waste not connected to land use or food supply issues like industrial waste as well as forestry residuals. FT fuels are clean burning, high-quality fuels with a performance comparable to petroleum-based fuels.

Work on Solena’s BTL facilities also includes the involvement of several divisions within General Electric (GE). Solena continues working with GE Energy to finalize which GE industrial equipment can be utilized within their facilities, including for processing power, and electricity generation, and other infrastructure systems. GE Aviation’s Director of Environmental Strategy and ecomagination, Steve Csonka, suggests that “this project represents the type of thinking around resource utilization, environmental improvements

and operational efficiencies typified by GE's ecomagination philosophy – using advanced technology to solve customers' and societies' key challenges. As such, we are pleased to see Solena's advancements on their innovative approach toward production of sustainable jet fuel for the aviation enterprise.”

“It was a pleasure for us to assist Solena in identifying a plant location that offers close proximity to biomass waste, jet fuel logistics to Berlin Brandenburg Airport, and synergies with both traditional and biofuel refineries”, stated Dr. Marcus Schmidt, Director Chemicals at Germany Trade and Invest. He continued, “Solena's facility will create substantial economic development and employment opportunities benefiting the greater Schwedt/Oder area and the State of Brandenburg”.

About PCK Industry Park

The largest contiguous industrial park in northern Brandenburg, strategically located in the northeast greater Berlin-Brandenburg economic area on the Berlin-Szczecin axis directly at the border to Poland. The park is an ideal launch pad for outreach to Eastern and Central Europe, Scandinavia and the Baltic states.

The outstanding potential of the location is particularly appealing to investors from renewable energies (especially biofuels), logistics and metalworking sectors.

About the PCK Refinery

PCK is a refinery located in Schwedt, Germany on the River Oder and is among the largest companies in the state of Brandenburg and the most important in the Uckermark region. The refinery processes approximately 12 million metric tons of crude oil per year into mineral oil and petrochemical products, with the primary products being diesel, petrol (gasoline), in addition to jetfuel for Berlin airports. PCK was one of the first refineries in Germany to use biofuels and is a leading producer of high-quality biofuel components.

About Solena Fuels Corporation

Solena Fuels is a sustainable energy company developing BTL facilities around the world utilizing its proprietary gasification technology as the initial processing block. Solena's sustainable jet and diesel fuels help airlines and shipping companies utilize non-petroleum sourced liquid fuels cost-effectively. Solena Fuels is a privately-held company headquartered in Washington DC, USA.

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