

Solena Signs LOI with Rentech to Provide Fischer-Tropsch Technology for Europe's First Commercial Scale Sustainable Jet Fuel Facility

WASHINGTON, D.C. (November 9, 2010) – Solena Group, Inc. today announced that it has signed a letter of intent with Rentech, Inc. (NYSE AMEX: RTK) for the use of Rentech's proprietary Fischer-Tropsch (FT) synthetic fuel technology in Solena's sustainable BioJetFuel project – GreenSky - in the United Kingdom.

The facility will convert more than 500,000 metric tonnes of waste biomass feedstock into synthesis gas every year, using Solena's proprietary plasma gasification technology ("BioSynGas"). The BioSynGas will then be processed by Rentech's Fischer-Tropsch technology into 16 million gallons of sustainable synthetic jet fuel ("BioJetFuel") and nine million gallons of BioNaphtha¹. The facility will also export more than 20 megawatts of baseload renewable power to the grid after powering the entire facility with clean electricity.

Rentech has already completed a preliminary engineering study to help facilitate the integration of the Rentech FT Process into the project.

Beginning 2012, all airlines will be included in the European Union's Emissions Trading Scheme, requiring them to reduce their CO₂ emissions or purchase additional carbon allowances. Separately, the International Air Transport Association has voluntarily agreed to a 50% emission cut of 2005 levels, by 2050. As the project will deliver a reduction of over two million tonnes of CO₂, including 145,000 tonnes from the replacement of conventional kerosene-based fuel (a reduction of 95%), it has the potential to make a significant difference to airlines.

Dr. Robert T. Do, CEO of Solena, stated, "Solena is delighted to have Rentech as a technology provider to what will be Europe's first commercial scale sustainable BioJetFuel facility. We welcome them to the GreenSky consortium. Rentech's iron-based catalyst Fischer-Tropsch process is an ideal fit for Solena's proprietary gasification solution. Bringing the two technologies together will allow us to create a truly sustainable drop-in jet fuel with the potential to transform the aviation industry."

D. Hunt Ramsbottom, President and CEO of Rentech, stated, "Rentech is excited to participate in this first-of-its-kind sustainable BioJetFuel project. Airlines will soon be included in the EU Emissions Trading Scheme and Rentech is one of the few companies whose synthetic fuel technology can provide solutions to help reduce the financial and environmental impact of this legislation on the airline industry. Renewable jet fuel such as Rentech's certified, renewable, low-carbon synthetic jet fuel is one of the only options airlines have to reduce the carbon footprint of their fleets."

The project is expected to create 1,000 construction phase jobs and 200 full-time positions during operation. Solena's proprietary gasification technology is fuel flexible and will utilize waste biomass normally destined for landfill.

Solena has identified potential sites for the project in East London and is in discussions with various funding sources to finance the project. Construction of the facility is expected to begin in 2012, with the plant anticipated to be operational by 2014.

- ends -

¹ A blending component in petrol also used as a feedstock by the petrochemicals industry.

About Solena Group

Solena Group, Inc. is a next generation zero emission bioenergy company that has developed integrated end-to-end solutions that will help satisfy the world's growing energy demands while reducing the greenhouse gas emissions and high, volatile expense normally associated with the usage of fossil fuel-based energy. Solena's suite of integrated solutions includes patented plasma gasification technology that is Six Sigma optimized after more than ten years of development, an integrated plasma gasification combined cycle process, and an integrated Solena BioSynGas to Fischer-Tropsch derived BioFuel system. The core of Solena's solutions is its patented Solena Plasma Gasification Vitrification ('SPGV') technology which is capable of producing a synthetic fuel gas ("BioSynGas") from the thermal conversion of bio-based hydrocarbons with the highest energy conversion efficiencies in the industry. Solena's SPGV-produced BioSynGas can be used to power combustion gas turbines (CGT) for power production ("BioPower") or liquefied into synthetic biodiesel or biojetfuel ("BioJetFuel").

About Rentech, Inc.

Rentech, Inc. (www.rentechinc.com), incorporated in 1981, provides clean energy solutions. The Company's Rentech-SilvaGas biomass gasification process can convert multiple biomass feedstocks into synthesis gas (syngas) for production of renewable fuels and power. Combining the gasification process with Rentech's unique application of syngas conditioning and clean-up technology and the patented Rentech Process based on Fischer-Tropsch chemistry, Rentech offers an integrated solution for production of synthetic fuels from biomass. The Rentech Process can also convert syngas from fossil resources into ultra-clean synthetic jet and diesel fuels, specialty waxes and chemicals. Final product upgrading and acid gas removal technologies are provided under an alliance with UOP, a Honeywell company. Rentech develops projects and licenses these technologies for application in synthetic fuels and power facilities worldwide. Rentech Energy Midwest Corporation, the Company's wholly-owned subsidiary, manufactures and sells nitrogen fertilizer products including ammonia, urea ammonia nitrate, urea granule, and urea solution in the corn-belt region of the central United States. Rentech has been recognized by Biofuels Digest as one of the "50 Hottest Companies in Bio-energy" and has been named as one of the "Biofuels Digest Companies of the Year" for its recent innovations and achievements, particularly in aviation biofuels. Please contact Julie Dawoodjee, Vice President of Investor Relations and Communications, at 310.571.9841 or ir@rentk.com, for more information.

For more information

Brian Miloski
Solena Group
202-682-2405, extension 1008
miloski@solenagroup.com