



**Swedish BioFuels**

## **New jet fuel paves the way to green flying – Swedish Biofuels participant in FAA project**

STOCKHOLM, Sweden (5 Dec, 2011) - Swedish Biofuels AB, the high-tech alternative energy company from Sweden, announces its participation in a U.S. Department of Transportation, Federal Aviation Administration (FAA) grant for an Alcohol to Jet Project. The project is aimed at accelerating the commercial availability of next generation alternative aviation fuel.

The project is primed by [Swedish Biofuels](#) partner [LanzaTech](#), which has formed a team also including Imperium Renewables, Battelle Pacific Northwest Division and Michigan Technological University. It will combine Swedish Biofuels advanced processes for the conversion of alcohols into fully synthetic, drop-in jet fuels with LanzaTech's unique gas fermentation process for converting waste gas resources to ethanol. The combined result is that Swedish Biofuels and LanzaTech will produce jet fuel from industrial off gases, a completely new, non-food resource.

In addition, the team will demonstrate jet fuel production using synthesis gas derived from lignin, a byproduct of cellulosic ethanol, opening up a new high volume biomass waste stream for making cost-competitive jet fuel. Fuels produced by the combined Swedish Biofuels and LanzaTech process will be completely equivalent to petroleum jet, and can be blended in any proportion with petroleum based jet fuel.

Within the project, Imperium Renewables, and Battelle Pacific Northwest Division (PNWD) will assess sites and resources for commercial implementation of the technology in the USA. Michigan Technological University will analyze the life cycle benefits of fully integrating the LanzaTech and Swedish Biofuels processes.

A key goal of the project is to produce alternative jet fuel for testing by the U.S. Air Force Research Laboratory. The test data will be used as part the certification process for alcohol to jet (ATJ) fuels.

Professor Angelica Hull, Managing Director of Swedish Biofuels says, "It is exciting to see our technology in this forward-looking project, which aims to increase the raw material base for the production of alternative fuels in aviation. The pathway to jet fuel with alcohol as an intermediate, is proving to be a versatile way of producing advanced hydrocarbon fuels. This project will lead to a more rapid commercialization of alcohol to jet technology by providing critical fuel data and expanding the resource pool."

For further press information on Swedish Biofuels, please contact

Natalia Lundman

+46 8 663 27 40

[natalia@swedishbiofuels.se](mailto:natalia@swedishbiofuels.se)

[www.swedishbiofuels.se](http://www.swedishbiofuels.se)



**Swedish BioFuels**

**About Swedish Biofuels**

Swedish Biofuels AB (Stockholm, Sweden) specialises in the research, development, and deployment of alternative fuels for the transport industry. Since 2001, the company has developed products and technology for the production of fully synthetic drop-in fuels, including gasoline, diesel and aviation fuel, from a wide variety of nonfood feedstocks, including lignocellulosic biomass. These products and technologies are supported by a wide ranging patent portfolio.