

## 1st project on converting industrial emissions to SAF in North America

SAF+ brings together a consortium of companies spanning the entire aviation value chain, including a major Canadian airline and an airport. By converting CO<sub>2</sub> from industrial flue gas into hydrocarbons using renewable electricity, this project aims at bringing to the market a drop-in, clean fuel with an 80% lower GHG footprint than conventional jet fuel. Tackling both CO<sub>2</sub> emissions reduction and sustainable aviation fuel (SAF) availability, the project will help airlines meet CORSIA requirements and reach their sustainability goals. Located in Quebec, Canada, the project benefits from exceptionally favorable conditions for a large-scale power-to-liquids plant such as: abundant supply of affordable, renewable electricity; multiple carbon capture providers; an established know-how in the field of hydrocarbon refining, an extended hydrocarbon supply network, and a growing hydrogen production and distribution network. In 2019, the SAF+ project was selected as one of the finalists in the Federal Government's "Sky is the Limit" Challenge. It received funding to design, build and operate a pilot plant that will demonstrate the scalability of highly innovative carbon capture and conversion technologies as well as de-risk and optimize the technological and business models for the commercialization of a production facility capable of steadily supplying the North American East coast by 2025. SAF+ is interested in contributing to the success of the "1st European Summit on CO<sub>2</sub>-based Aviation Fuels" and the "8th Conference on Carbon Dioxide as Feedstock for Fuels, Chemistry and Polymers" by sharing with the community an overview of the project and some of the lessons learnt as well as bringing North American perspective on the future of sustainable aviation fuel made from CO<sub>2</sub>. We are looking forward to collaborating and providing additional information.

