

Project Swift

Sustainable aviation fuel from sugarcane residues

Overview

Project Swift - SAF from Sugarcane Residues Feasibility Study

Licella proposes to develop a biorefinery in the Bundaberg region, using its innovative Australian developed Cat-HTRTM technology.

The proposed facility would convert agricultural residues such as sugarcane residues to low carbon liquid fuels (LCLF), including sustainable aviation fuel (SAF).

Technology

Licella's Cat-HTRTM hydrothermal liquefaction technology uses water to transform biomass residues into an advanced bio-intermediate (renewable oil), upgraded to advanced biofuels.

Community

We are committed to inclusive project development that benefits the local community. Guided by our values of sustainability, innovation and respect, we are prioritising meaningful engagement, including with First Nations people.

Get in touch

project.swift@licella.com

Highlights

Project phase:



Feasibility Study:
Pre-FEED, advancing to FEED
(Front End Engineering Design)

Location:



Bundaberg region,
Queensland

Feedstock:



Agricultural residues (including
bagasse) (150,000 tonnes/ year)

Capacity (annual):



56,000 tonnes bio-intermediate



60 million litres biofuels

Impact



Supports regional development and
diversification of the sugar industry



Potential for ~300 construction jobs and
100 new jobs during operations



Targeting production of ~40 million litres
of SAF annually (~7% of the domestic
airline industry's 2030 commitment).

More information

www.licella.com/project-swift



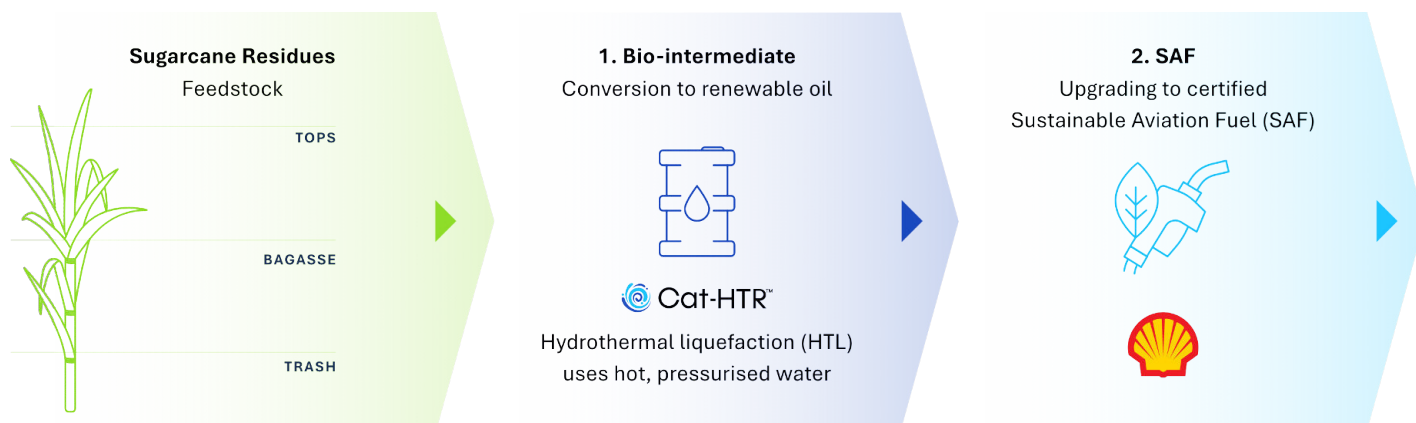
Licella™

Arbios Chuntoh Ghuna commercial-scale Cat-HTR™ facility, Prince George (Canada)

Project Swift: Biorefinery two-step process

Step 1: Our hydrothermal liquefaction (HTL) process transforms biomass feedstock into a bio-intermediate - a renewable substitute for fossil oil with a ~80% lower carbon intensity.

Step 2: The bio-intermediate is refined, using Shell's upgrading technology, to advanced biofuels including sustainable aviation fuel (SAF).



Partnering for change

Licella is proud to be delivering Project Swift alongside our strategic partners including Shell, and with funding from the Australian Renewable Energy Agency (ARENA) as part of ARENA's Advancing Renewables Program.



Australian Government
Australian Renewable
Energy Agency

ARENA

More information

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