Eindhoven – 5th of October

Jean Botti – VoltAero CEO & CTO

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The concept

Objective: designing an Aircraft Family prepared to confront Climate Change

VoltAero is introducing Cassio, a groundbreaking modular aircraft concept :

- Incorporating parallel hybrid propulsion to significantly curtail greenhouse gas emissions
- Tailored for regional mobility demands
- Capable of accommodating 4 to 12 passengers
- Embedded within an environmentally conscious framework, spanning inception through end-of-life considerations.

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VOLTAERO

Our team, our story started in 2009

2011

MC15
First twin engines electric aircraft
20kW

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VOLTAERO

Our team, our story started in 2009

2015

eFAN
Two seater electric aircraft - 60kW
First electric aircraft to cross the Channel

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Our team, our story started in 2009

2020

Cassio 1
First hybrid parallel aircraft
600kW (including 300kW electric)

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Our team, our story started in 2009

2023

7th of September
Cassio S- First flight using 100% bio-fuel
CO2 emissions reduced by 80%

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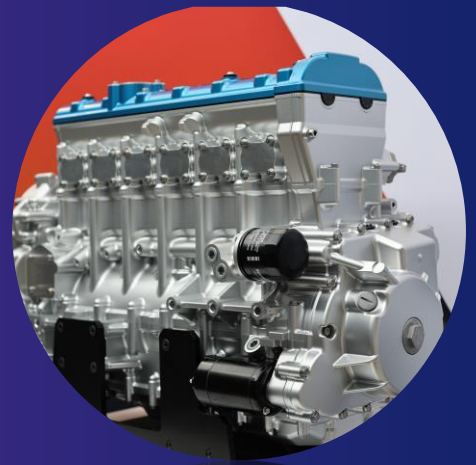
VOLTAERO

Our team, our story started in 2009



2025

First hybrid aircraft powered by Hydrogen
Experimental based on Cassio 330
600kW (including 300kW electric)

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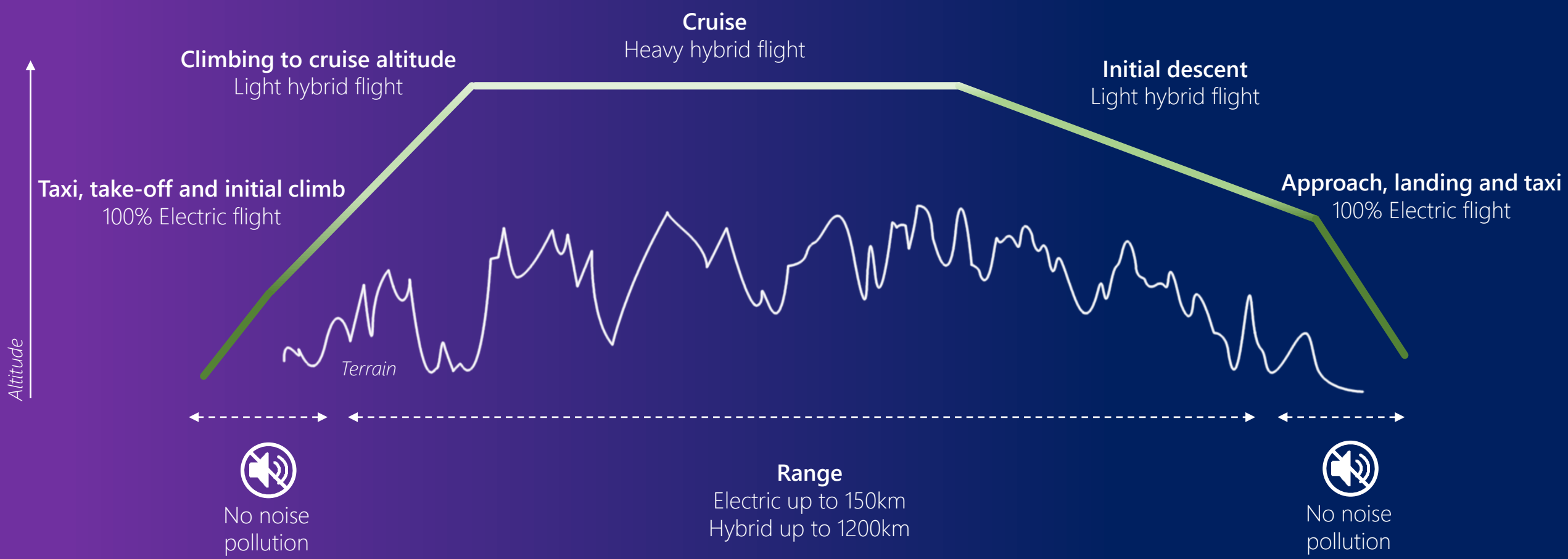
Hybrid propulsion – flight profile



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CASSIO

Regional aircraft family

CASSIO 330

Single Pilot Operation
MOPSC : 4 passengers (5 seats)
VFR day/night – IFR
De-icing system
Fixed landing gear
Unpressurized

Target for TC : 2025

CASSIO 480

Airframe based on Cassio 330

Single Pilot Operation
MOPSC : 5 passengers
VFR day/night – IFR
De-icing system
Retractable landing gear
Pressurized

Target for TC : 2026

CASSIO 600

MOPSC : 12 passengers
VFR day/night – IFR
De-icing system
Retractable landing gear
Pressurized

Target for TC : 2027

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VOLTAERO

Regional application

Hybrid range from Eindhoven

Electrical range from Eindhoven

The Netherlands

Cassio for Regional application is :

- An eco-friendly mode of transportation
- Offering low operating costs
- Ground infrastructure agnostic
- A step for the development of larger capacity aircraft.
- Offering several configurations for all designated missions

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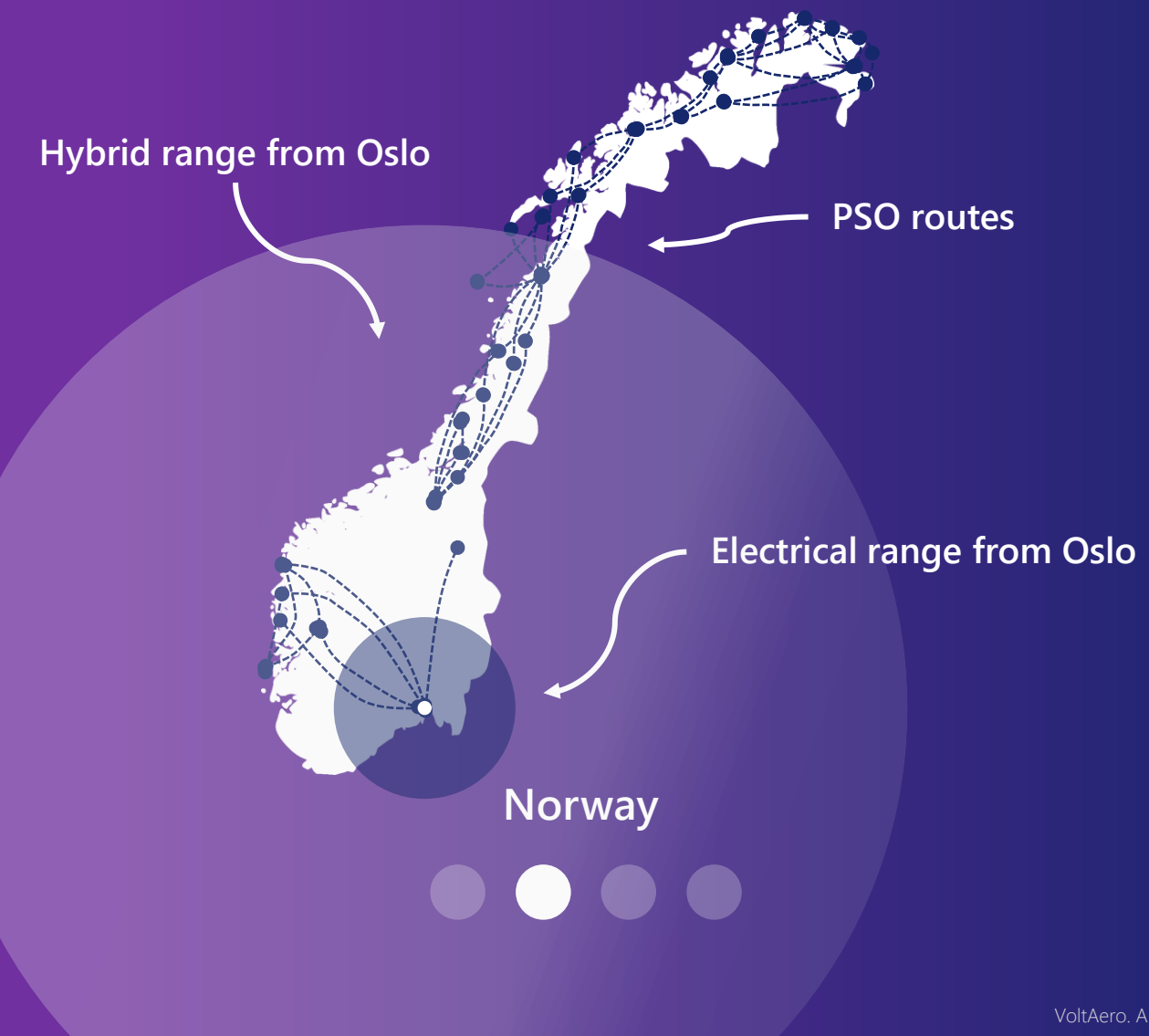
Regional application



PSO data in Scandinavia is the following :

- Over 60 PSO routes in Norway
- Average range of 200 km
- Typical aircraft size 15 – 39 seats
- Small passenger load factor - 18% in Sweden

Cassio aicrafts are adapted for PSO routes

Norway government – following the ZERAC23 in Oslo – is looking to develop green aviation using PSO.

VoltAero is part of the consultation lead by Norwegian governement : *Measures to accelerate the phasing in of zero- and low-emission aircraft in Norwegian aviation*

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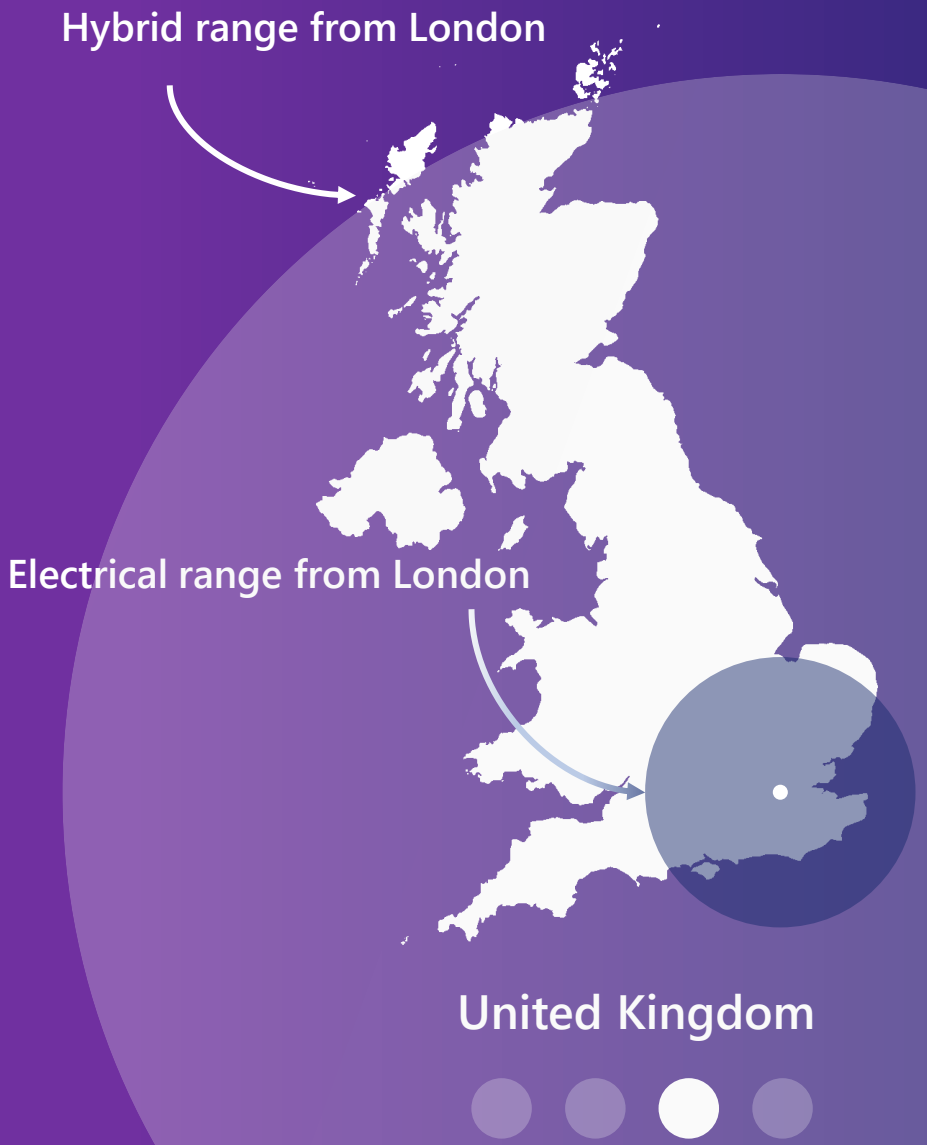
Regional application



Hybrid aviation has the ability to adapt to its environment:

- The possibility of enhancing connectivity in remote areas by having two sources of energy; fuel and electricity. **Ground infrastructure agnostic**.
- It is capable of **using biofuels**
- In the next years we will be **adaptable to hydrogen**.

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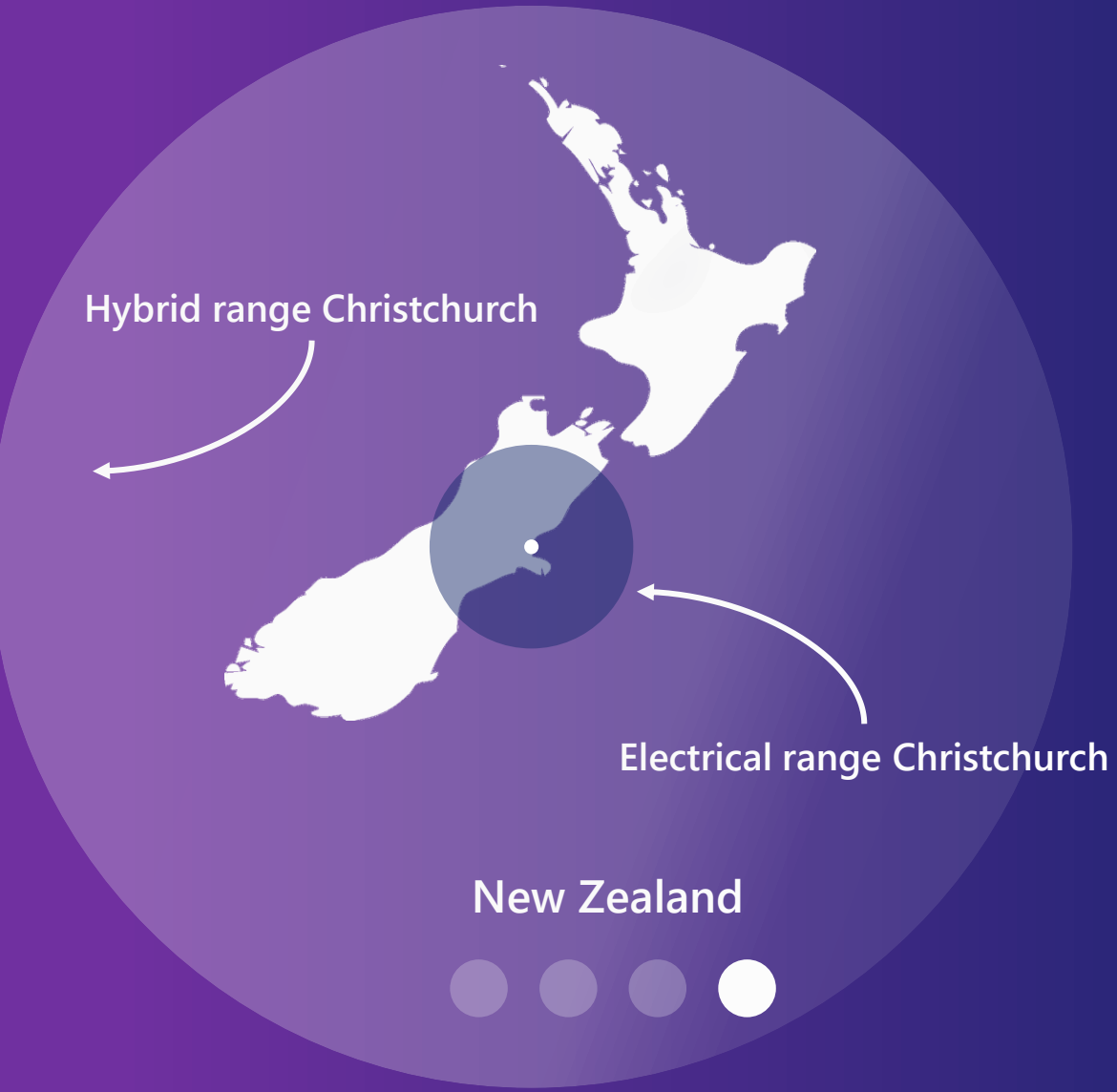
Regional application



Regional operators are aware of the challenges and opportunities offered by hybrid aviation,

VoltAero is selected by Air New Zealand as a “Mission Next Gen Aircraft” partner for the airline’s sustainable fleet ambitions.

Air NZ introduces the green aviation through deployment of general aviation hybrid electric aircraft for cargo operations on selected routes for demonstration in 2026.

AIR NEW ZEALAND

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The challenges

Operators

Airports

Charging Infrastructure

Pilot Training Schools

MRO

Leasing Companies

Among the expected changes in the ecosystem:

- Governments and local authorities to **reduce regulatory constraints** to facilitate the deployment of these aircraft on **PSO routes**.
- **Deployment of recharging stations, biofuels and hydrogen.** How to make all this cooperate ?

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Thank you for your interest

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