

iGTL Technology LTD



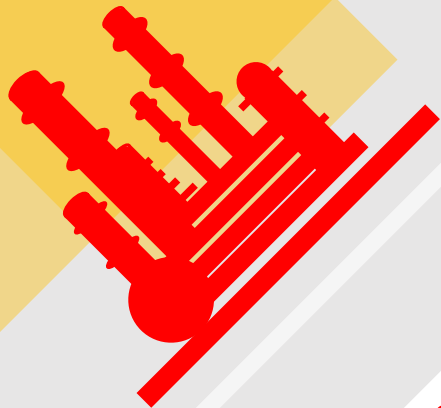
EMEC Panel

SYNTHETIC  
GASOLINE  
CREATION  
ON ORKNEY

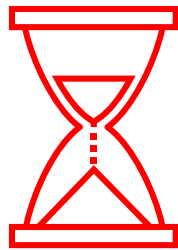
Pete Oswald

All-Energy Conference

11<sup>th</sup> May 2022



Plastics

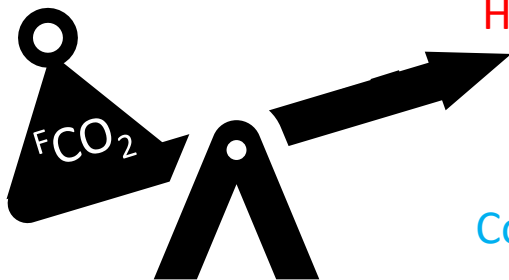


Aviation



# FOSSIL HYDROCARBONS

Shipping

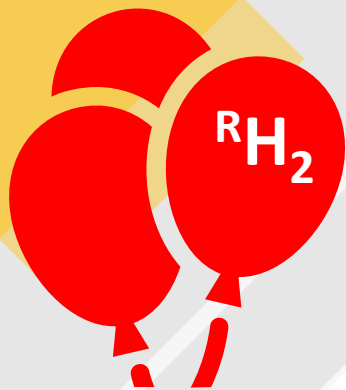
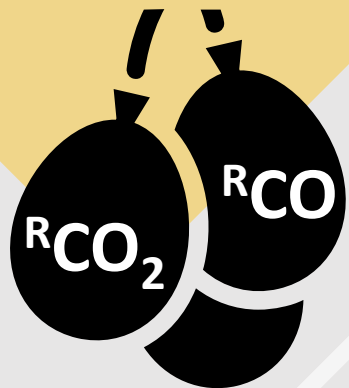


Hot Climate

Cool Climate

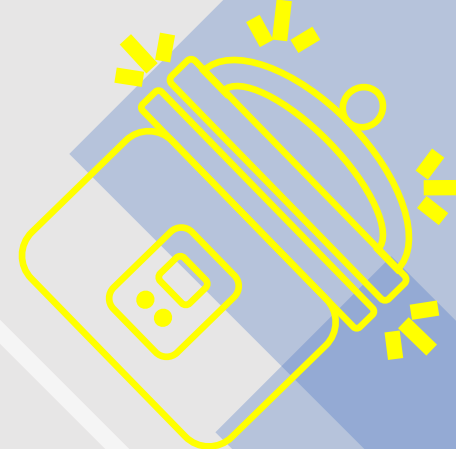
Vehicles





Gas In

Pressure Cooker



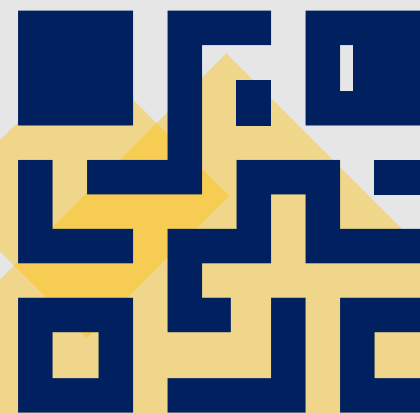
METHOD

Know-how

Catalyst



Gasoline Out



Looking South



Gasoline Demonstrator  
In Operation

1 Day to rig-up

1 Day to demobilize

Operational Capacity

Average ~0.8 l/day

Product...available for hire!

EMEC Wave Test Site (Billia Croo)  
Supplied 100% renewable power  
and renewable hydrogen

Gas In → Gasoline out

Mobile Gasoline  
Demonstrator  
Heading for the RAF  
Flight



Home > [Military equipment, logistics and technology](#)

# Project Martin



News story

## World record RAF flight powered by [100% Net Zero Drop-in] synthetic fuel [to UL91]



RAF's Project MARTIN completed its first flight using synthetic fuels earlier this month in a world first.

Clips from the UK Government Website  
(There were more activities in Project Martin than just the gasoline supply!)

In a world-first, an Ikarus C42 microlight aircraft flown by Group Captain Peter Hackett, completed a short flight powered by synthetic gasoline at Cotswold Airport earlier this month.

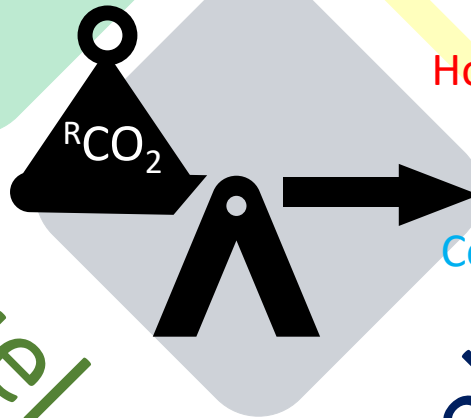
# RENEWABLE HYDROCARBONS

Olefins

Jet Kerosene

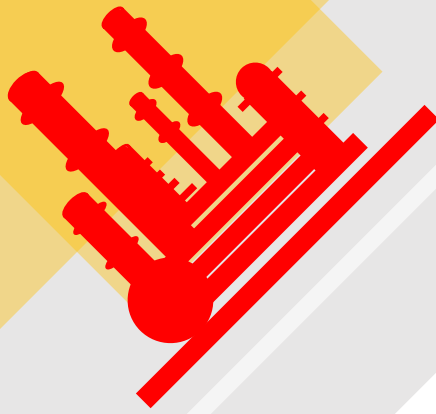
Mixed Fuel

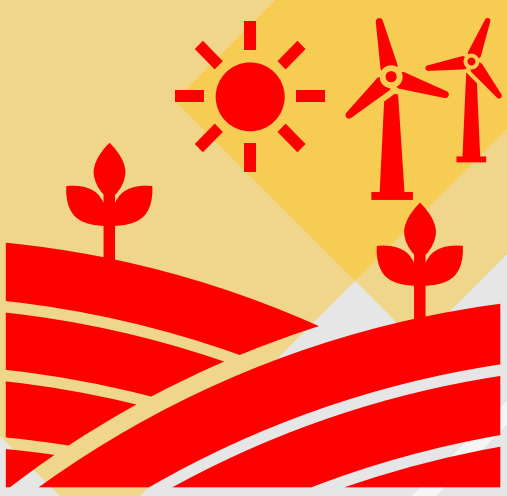
Diesel



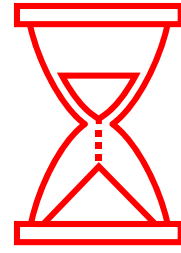
Hot Climate

Cool Climate





Feedstocks

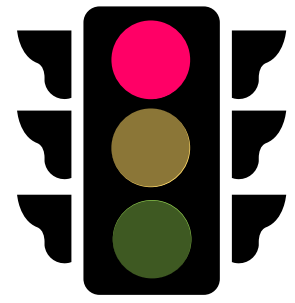


Regulations

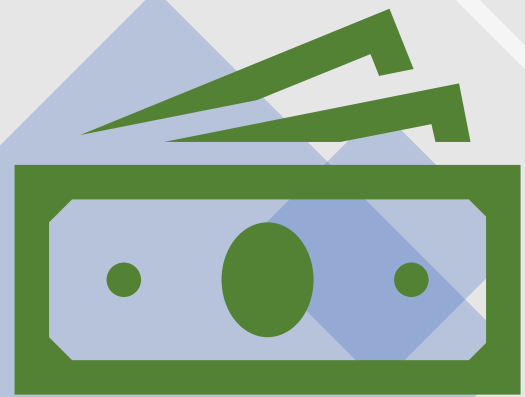


# CHALLENGES

Funding



Fossil Fuels



Wayne, Robbie,  
Stewart, Erica,  
Cliff, Magnus,  
Ingrid, Simon

Scaffolding, Plant  
hire, Logistics,  
Hotels, EMEC

Orkney Operators

Orkney Services

THANK YOU

Clients

Specialist Services

Drochaid (St. Andrews  
University), Air Liquide,  
Dales Engineering, LJF  
Coatings

RAF  
Zero Petroleum