



Overview

CATAGEN is a net zero technologies company based in Belfast.

- We provide emissions testing to global automotive manufacturers in the development of new vehicles.
- A spin out from Queen's University Belfast our patented OMEGA technology replaces vehicle catalyst testing without consuming fossil fuels.
- One of the fastest growing companies in Northern Ireland in 2019 and 2020, placing 2nd and 4th in the Deloitte Technology Fast 50 in Ireland.
- TechNation's Net Zero cohort 2021.
- Powered 100% by renewable energy, a carbon negative company.









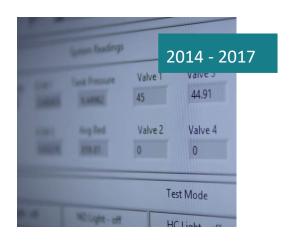
About us

TIMELINE



The journey begins

Successful spin out exit from Queen's University Belfast and first generation LabCat.



A strategic approach

Intensive research and development, resulting in the launch of a successful business model.



New & sustainable future

Customer acquisition of world leading vehicle OEMs. Approved by VCA.



Growth & scaling

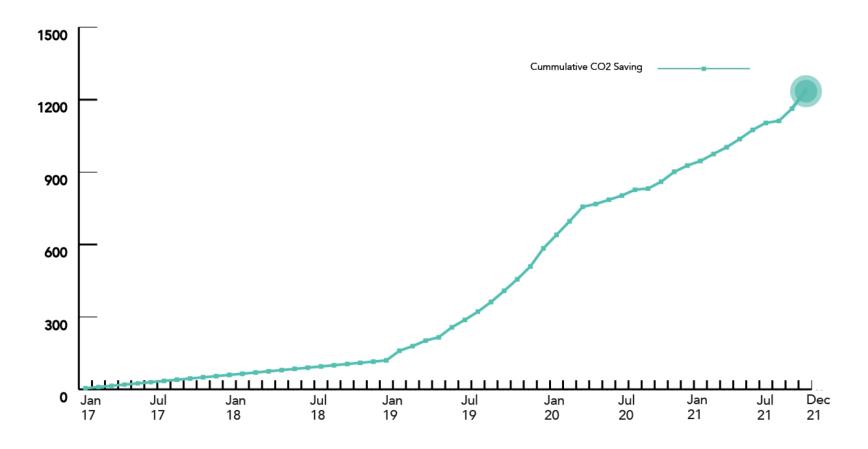
Opening of 2nd facility the Net Zero Technology Centre with world leading capability.

About us SUSTAINABILITY





1,235 Tonnes of CO₂ displaced by 2021



Emissions testing

PATENTED OMEGA TECHNOLOGY

THERE ARE NO ENGINES HERE

OMEGA:04

PURE MEASUREMENT OF PERFORMANCE

PATENTED TECHNOLOGY PCT/GB2009 051698

Emissions testing

BENEFITS



Planned availability

Time saving vs internal solution.



Sub

Test to test variability

Industry leading levels of reproducibility





CO₂ emissions saving

98% CO₂ displacement.



Up to

Cost savings

Energy efficiency (fuel) and right first time



Emissions testing

CERTIFICATION

We have also supported OEMs with type approval for the US (EPA & CARB), Indian and Chinese regulators.









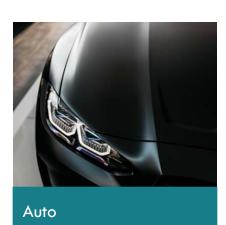
Accredited by





Emissions Testing

INDUSTRIES

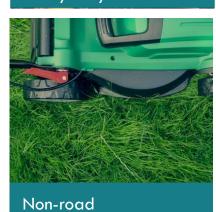


















Net Zero Technologies

CORE COMPETENCIES

CATAGEN has a vantage point for NET ZERO Markets and Technologies

- Emissions Data and Simulation
- Energy Efficient Chemical Reactor Technology
- IP & Knowledge





Kwasi Kwarteng

Secretary of State for Business, Energy and Industrial Strategy 2mo

This week in Northern Ireland I met some incredible scientists, engineers and entrepreneurs developing the technology we need to meet the UK's climate targets.

CATAGEN LIMITED is providing best-in-class emissions data to the automotive industry to help design and develop cleaner vehicles.

I had the honour of cutting the ribbon on their new Net Zero Technologies Centre in Belfast, which will be crucial for developing the tech we need to decarbonise the British economy.

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Net Zero Technologies

GREEN HYDROGEN

It is judged that development of hydrogen-fuelled transport could be integral to achieving full transport decarbonisation.

Part of the Ten Point Plan for a Green Industrial Revolution: Point 2:

Driving the growth of low carbon hydrogen

Point 4: Accelerating the shift to zero emission vehicles

Point 10: Green finance and innovation

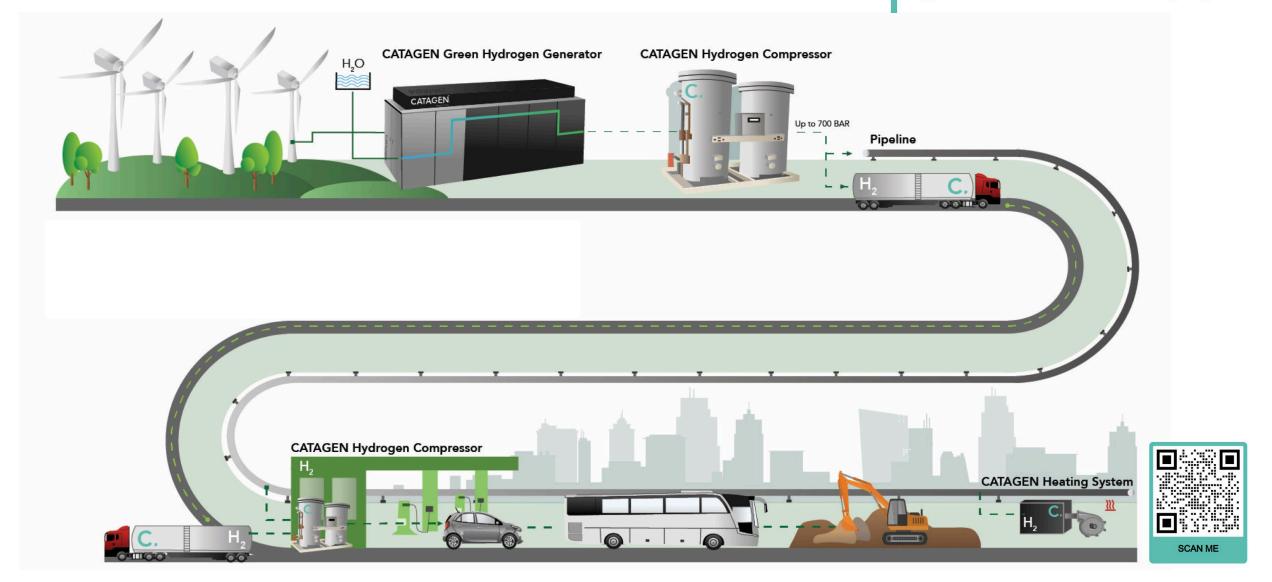






Energy vector

GREEN HYDROGEN



Net Zero Technologies

E-FUELS

E-Fuels Hydrogen Carrier for heavy duty diesel, aviation and marine

Part of the Ten Point Plan for a Green Industrial Revolution:

Point 6: Jet zero and green ships

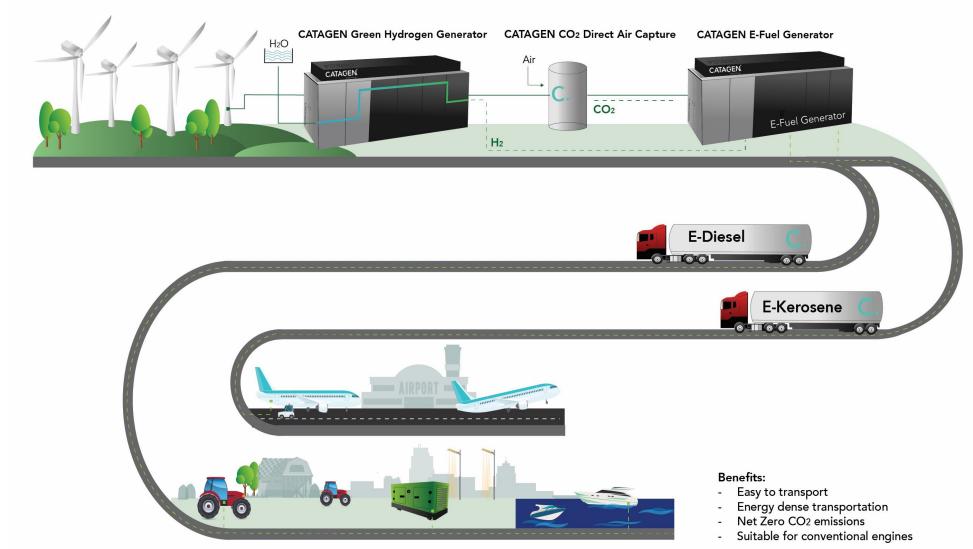
Point 10: Green finance and innovation





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E-FUELS





"Climate change is a grave and mounting threat to our wellbeing and a healthy planet. Our actions today will shape how people adapt and nature responds to increasing climate risks."

Hoesung Lee, Chair of the IPCC

