

# From Flex LNG to Bio-CNG: Decarbonising Europe's truck fleet

Pareto Securities' Energy Conference 21 September 2023

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## My background



## **ReFuels in brief**

- An **integrated supplier of alternative fuels** with a growing network of refueling stations, supported by a blue-chip customer base
- Offering biomethane (Bio-CNG), the **fast-track option for net-zero trucks** with 90% lower emissions compared to diesel
- Targeting **30-40 stations in the UK by end-2026**, longer-term ambition to expand into other European markets
- Stations can be adapted to a **low-carbon multi-fuel future** with hydrogen and electricity in addition to biomethane
- Headquartered in Amsterdam, listed on Euronext Growth Oslo (ticker REFL)

12 refuelling stations across the UK CN



vehicles using CNG Fuels' infrastructure >120k

GHG emissions saved (tonnes)<sup>1</sup>

100%

bio-CNG station availability





1. For the 12-month period ending  $30^{\mbox{th}}$  June 2023

## A vertically integrated supplier of Bio-CNG





## Strong growth in dispensed volume driven by new stations and increased customer adoption





## **Key figures - 12-month performance**





## Heavy goods vehicles are a large contributor to the growing global emissions problem



Source: CNG Fuels, Our World in Data, Element Energy Notes: Greenhouse gas emissions extrapolated from 2018

# Shift to Bio-CNG implies a need for ~170 stations by 2030 in the UK



ReFuels

<sup>1</sup> based on confirmed order book <sup>2</sup> Assuming same annual absolute growth of gas HGVs larger than 18t in the UK towards 2030,

number of HGVs in 2030 expected to reach ~303,000

## Biomethane is a fast-track and the most costcompetitive solution for fleets to decarbonise

**Bio-CNG** emissions benefits (gCO<sub>2</sub> / km)<sup>1</sup>

Average cost savings compared to diesel<sup>2</sup>







1) Department for Transport, Element Energy, Department for Business, Energy & Industrial Strategy. Notes: Chart excludes buses, coaches and other vehicles (4% of emissions) 2) CNG Fuels. Notes: Percentage fuel cost saving of running a typical Bio-CNG vs diesel HGV

## CNG trucks are proven and widely available







Mercedes-Benz Trucks you can trust.



**IVECO** 

















## A typical Bio-CNG station



## Cash payback for new stations of ~5 years

### **CAPEX** for new stations

### Illustrative P&L build-up at steady-state utilisation



P&L basis excl. RTFCs. Assuming GBP ~5.3m p.a. (flow-through to COGS) in wholesale gas revenues and a compression margin of GBP ~4.3m per station (currently 25p/kg and adjusted upwards quarterly with inflation), and COGS of GBP ~5.3m p.a. per station for wholesale gas (flows through from sales) and electricity cost, shipping cost and fixed gas cost of GBP ~1.2m p.a.. Station OPEX GBP ~0.4m p.a. and group overhead per station basis of GBP ~0.15 p.a.



# More than 300% growth<sup>1</sup> in medium and long-term Bio-CNG station pipeline



Substanital selection of sites in late-stage development



# Ambition to become Europe's leading integrated supplier of alternative fuels for commercial fleets







## Key investment highlights

Biomethane is the fast-track option for net-zero trucks

Leading position and roll-out plan supported by blue-chip clients

Highly attractive and scalable economics

## End-to-end control unlocking value from certificates

## Green station infrastructure for a low-carbon multi-fuel future

- Heavy goods vehicles account for 1% of UK road transport, but 18% of sector GHG emissions<sup>1</sup>
- Through renewable biomethane (Bio-CNG), emissions can be reduced by more than 90%<sup>2</sup>
- Market leader today and target of 30-40 stations in operation in the UK towards end-2026
- Customers with supportive biomethane ambitions, including Amazon, DHL and Royal Mail
- Estimated ~2.7m in EBITDA per station at steady-state excl. certificates (RTFCs)
- CAPEX of GBP ~6m per station, implying a cash payback of ~5 years
- Fully integrated across the value chain, including sourcing and trading of biomethane
- Additional revenue stream from market-based certificates
- Longer-term target of 100 stations in the UK and to expansion into other European markets
- Network of stations is adaptable to hydrogen and electricity



# Driving fleet emissions

For further information please visit refuels.com

to zero

# **Sustainable Aviation Fuel (SAF) set to drive demand for biodiesel**

### EU targets for share of SAF in jet fuel



### Output from 1000 kg waste-based Used Cooking Oil (UCO) feedstock



More than 1 million tonnes of SAF is expected to be required across the EU in 2025<sup>1</sup>



<sup>1</sup> International Air Transport Association (IATA) Source: European Commission/ReFuelEU Aviation

## **Robust market-based certificate system**

Renewable Transport Fuel Certificates (RTFC) generation and trading process in the UK



### **RTFC price (GBPp) and RTFO obligation level**



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Source: Element Energy, Department for Transport

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Note: 1.9 RTFCs per kg biomethane from a crop feedstock, 3.8 RTFCs per kg biomethane from waste feedstock, 1.75 RTFCs per kg of biopropane. RTFCs are awarded at the duty point, which can be at the point of sale or at the point that fuel is designated for transport use. Qualifying feedstock as observed in 2020 (Renewable Fuel Statistics 2020; Fifth Provisional Report)

## Clear cost advantages for customers

- Historical annual fuel cost savings of £15k+ compared to diesel
- Typical vehicle upfront CAPEX premium of £20k to 25k, with OEM pricing becoming more competitive over time
- Futures prices for natural gas vs diesel indicate continued strong economics going forward
- Fuel and AdBlue savings greatly outweigh CAPEX and maintenance premiums related to Bio-CNG
- Customer pay-back period estimated to 1-2 years

## Illustrative Total Cost of Ownership (TCO) over a 5-year period





## Blue-chip customer base supporting roll-out of new stations across the UK

### **Sample Customers**



### Amazon CNG HGV roll-out

- CNG Fuels introduced Amazon's first 4 'pilot' CNG-fuelled vehicles in early 2021
- Amazon run these vehicles with Amazon Freight Partners (AFP), smaller haulage companies that take between 1-10 vehicles to run on behalf of Amazon
- Amazon have now taken delivery of close to 200 vehicles in the UK and have introduced them to multiple AFP's

### Amazon fleet at CNG Fuels site





## CNG Fuels' infrastructure is ready for a multi-fuel future





## Experienced team with incentives to succeed



#### Philip Fjeld – CEO, Board of Directors

- 21 years of experience in the gas industry
- Founded FLEX LNG in 2006, listed the company & raised over \$600m in equity



#### Baden Gowrie-Smith – CFO, Board of Directors

- Investment advisor with UBS for six years managing A\$750m in assets
- Experience at board level across several industries



#### Jasper Nillesen – Board of Directors

- Managing Director and co-founder of RTFS
- Seven years in strategy consulting and six years working for the energy trading platform Powerhouse in various roles



#### Peter Eaton – Sales & Business Development Director

- · Seven years experience at Halewood International
- Various positions from sales, to marketing, to brand management and business development



#### Luke Preston – Operations Director

- Worked in a number of transport and logistic roles, including engineering and retail management roles at Scania
- Former Fleet Manager at John Lewis Partnership



#### **Mike Scott – Construction Director**

- 22 years experience within the civil engineering and construction industry
- More than 4 years at William Pye Ltd

