

Clean at scale

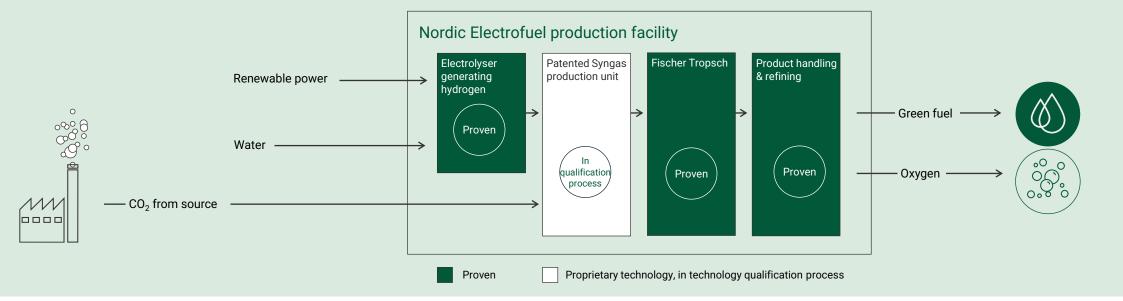


### Nordic Electrofuel will make it Green to Fly!



# We produce sustainable fuel from green hydrogen and CO2 utilizing the Power-to-Liquid (PtL) pathway

**Electrolysis** uses renewable energy to split water into hydrogen and oxygen. We focus strictly on applying well proven technologies from **reputable partners**. Adding our **proprietary technology** brings down operating costs and increases lifetime.





# First mover advantage and robust technological platform developed together with reputable partners



#### **Technology maturity**





## Very positive macro developments for e-fuels

#### EU political drive for synthetic SAF

- Refuel EU Aviation sub target for RFNBOs in 2030 of 1.2 %, increasing to 35 % in 2050.
- SAF targets 6% in 2030 increasing to 70 % in 2050

#### Supportive policy confirmations

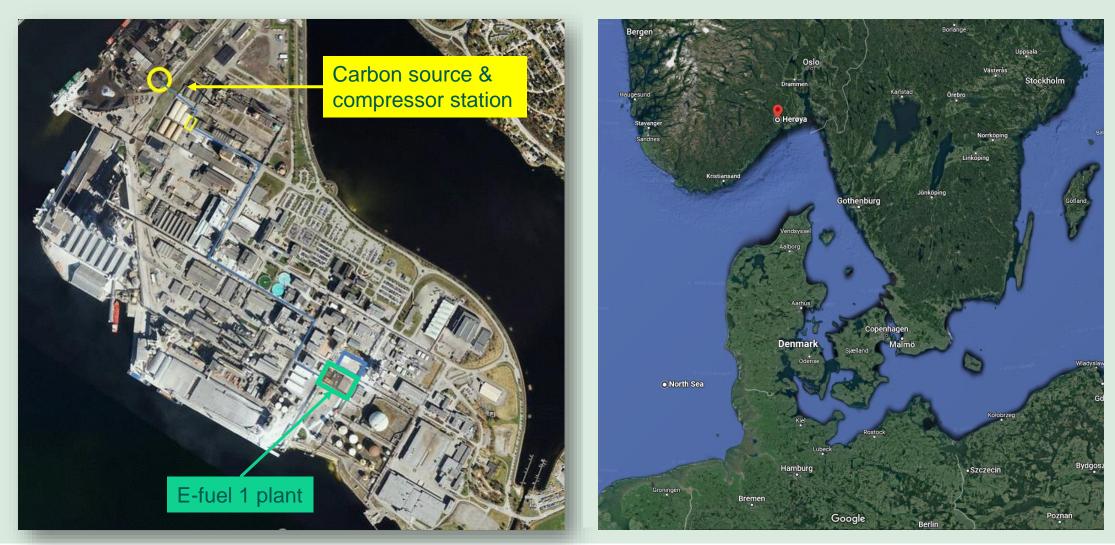
- Norwegian grid power counts as renewable and can be used for producing efuels – no need for a dedicated renewables project
- CO2 captured from emissions of fossil origin can be used for RFNBO until 2035
- Acceptance by ESA of Norwegian state paying CO2 Compensation to power intensive green industry using hydrogen

#### Return boost from repricing of SAF

- Price increases following a dramatic demand increase combined with no material new e-fuel supply and limitations in bio-based supplies
- Our projects are located in the Norwegian price areas with attractive power price outlook



### Site Location-Herøya Industrial Park (Norway)





## **3D-Model after completed FEED**





## Solid Technical and Project Maturity

- The technology- and project development have been executed according to well recognised methods and together with reputable partners
- ✓ Licensor and Suppliers of main equipment units will take process guarantees including commercial liabilities
- ✓ High score from EU innovation fond issued March 2022
- ✓ Investors have carried out extensive technical DD processes e.g.,Chiyoda, Arup etc. The current equity funding from the investor is to be concluded in coming months and will be in range of 65 – 95 Million Euro.
- ✓ Several partners are willing to licence our technology
- All necessary authority applications were applied for last summer and are expected to be approved shortly

Component		TRL
Alkaline electrolyser		9
Electrolysis system		9
Fischer-Tropsch reactor		8
Fischer-Tropsch system		8
Syngas production components	POX burner	8
	POX reactor	9
	Syngas cooler	9
	Syngas drying	9
Syngas production system		8
Syngas cleaning		9



#### **GHG** calculation has been verified by Bureau Veritas

The RED GHG methodology is in line with GHG methodology set by EU Innovation Fund. Hence our relative CO<sub>2</sub>-emission avoidance will be above 99%

This has been checked and verified by Bureau Veritas



Verification date: 28-02-2022

Verification /validation of GHG calculator following the criteria in annex C

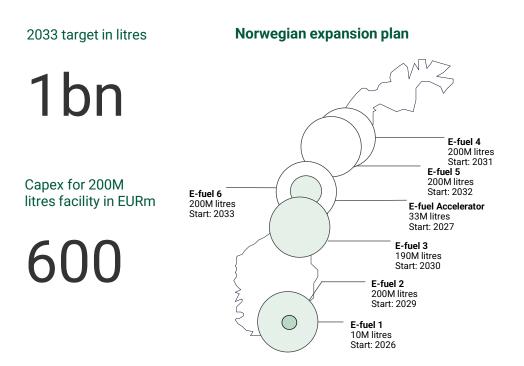
240 839 ton CO2e Validated – verified as stated
99,9 % Validated – verified as stated

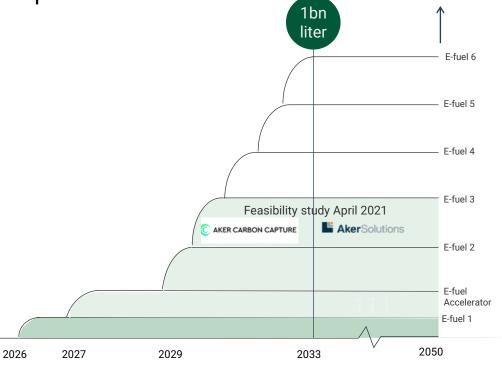


## Ambitious expansion plan targeting above 1 billion liters of green fuel by 2033

Land and feedstock for E-fuel 1 is secured and negotiations initiated for E-fuel 2.

**Negotiations for additional new sites** are in process, with the ambition of producing **above 1 billion liters E-fuel by 2033**. Have evaluated economics of 1 billion liter plants.



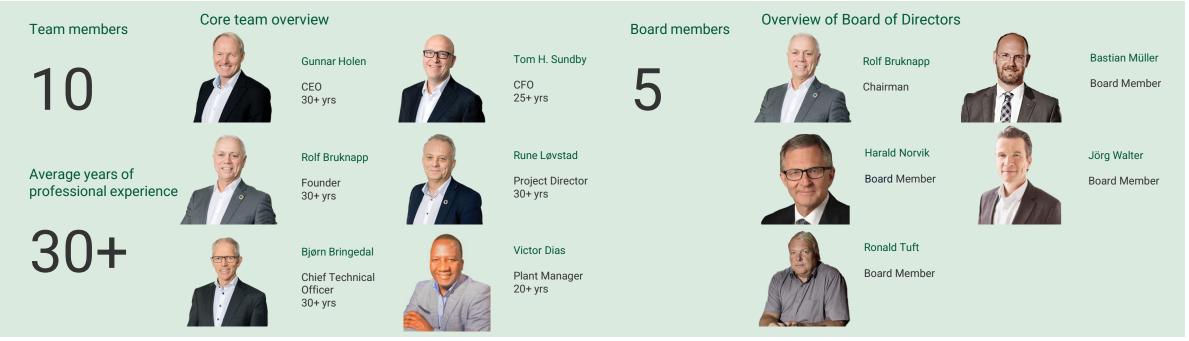




## Highly experienced team with strong execution power

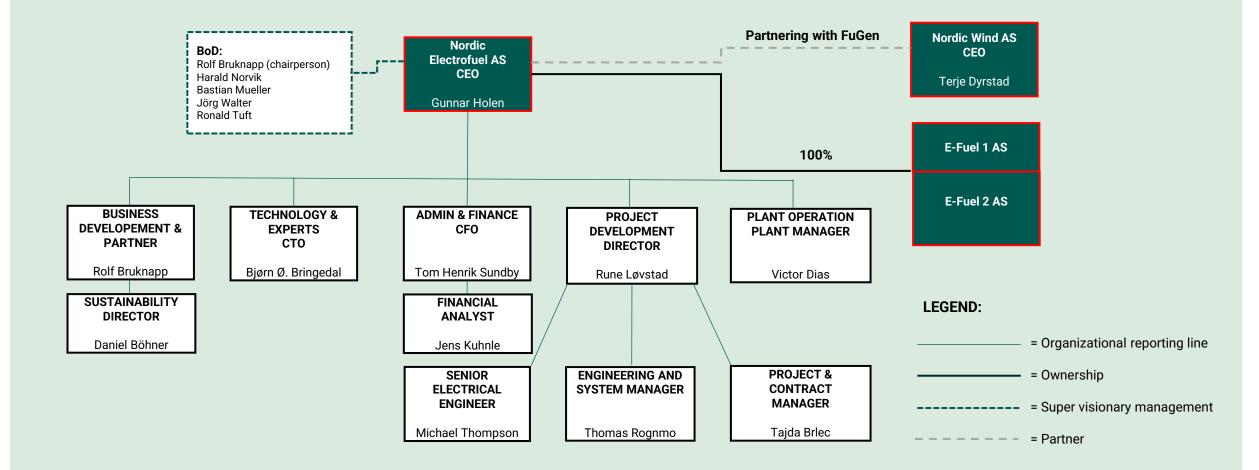
Nordic Electrofuel has a highly experienced and balanced management team of six professionals.

Board of Directors with members holding extensive management and board experience from listed and non-listed companies.





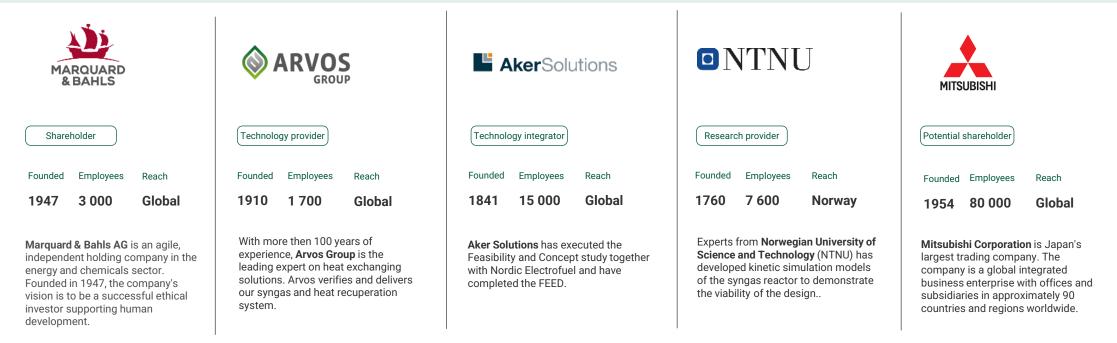
## Nordic Electrofuel - Company and organization





### Reputable partners and research bodies

Our technology solution is developed by Nordic Electrofuel in close collaboration with a number of reputable partners and research bodies. Close cooperation with the leading experts on heat exchange solutions and synthetic fuel production increases quality and limits risk of our project.





# We are the leading initiative for producing green fuel

Exponential market growth for liquid green hydrogen fuel

Proven technology with a magic touch

Scalable concept with attractive economics

Highly experienced team and reputable partners

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#### o° OO Nordic Electrofuel

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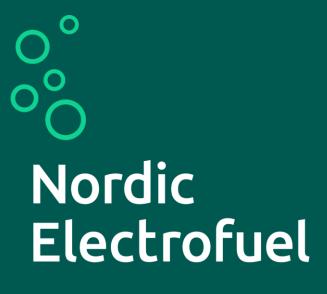
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