



ShipZero28

Global Renewable Hydrogen Production

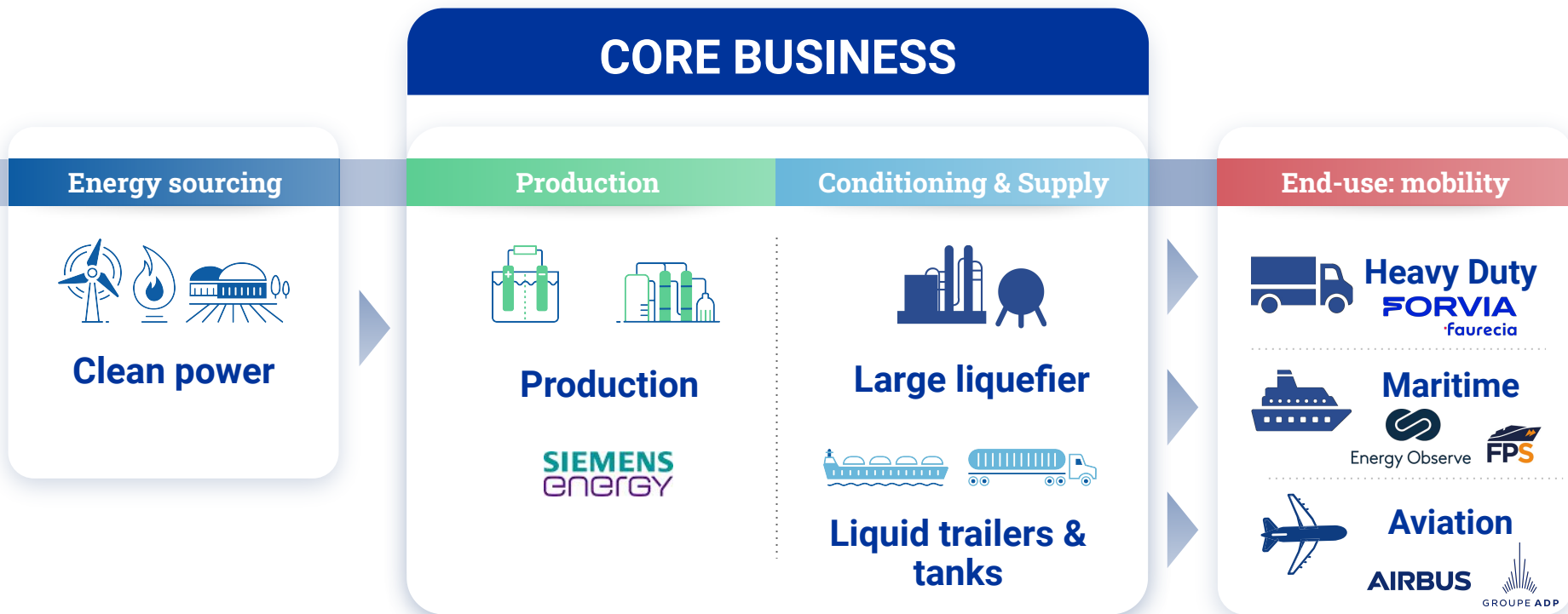
London, 11-12 September

Anna Lenaerts
Marketing Director hydrogen fuel for maritime

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Air Liquide's hydrogen expertise



We think BIG for hydrogen

Before 2035

~€8bn

INVESTMENT DECISION

>3x

SALES

By 2030^(a)

3 GW

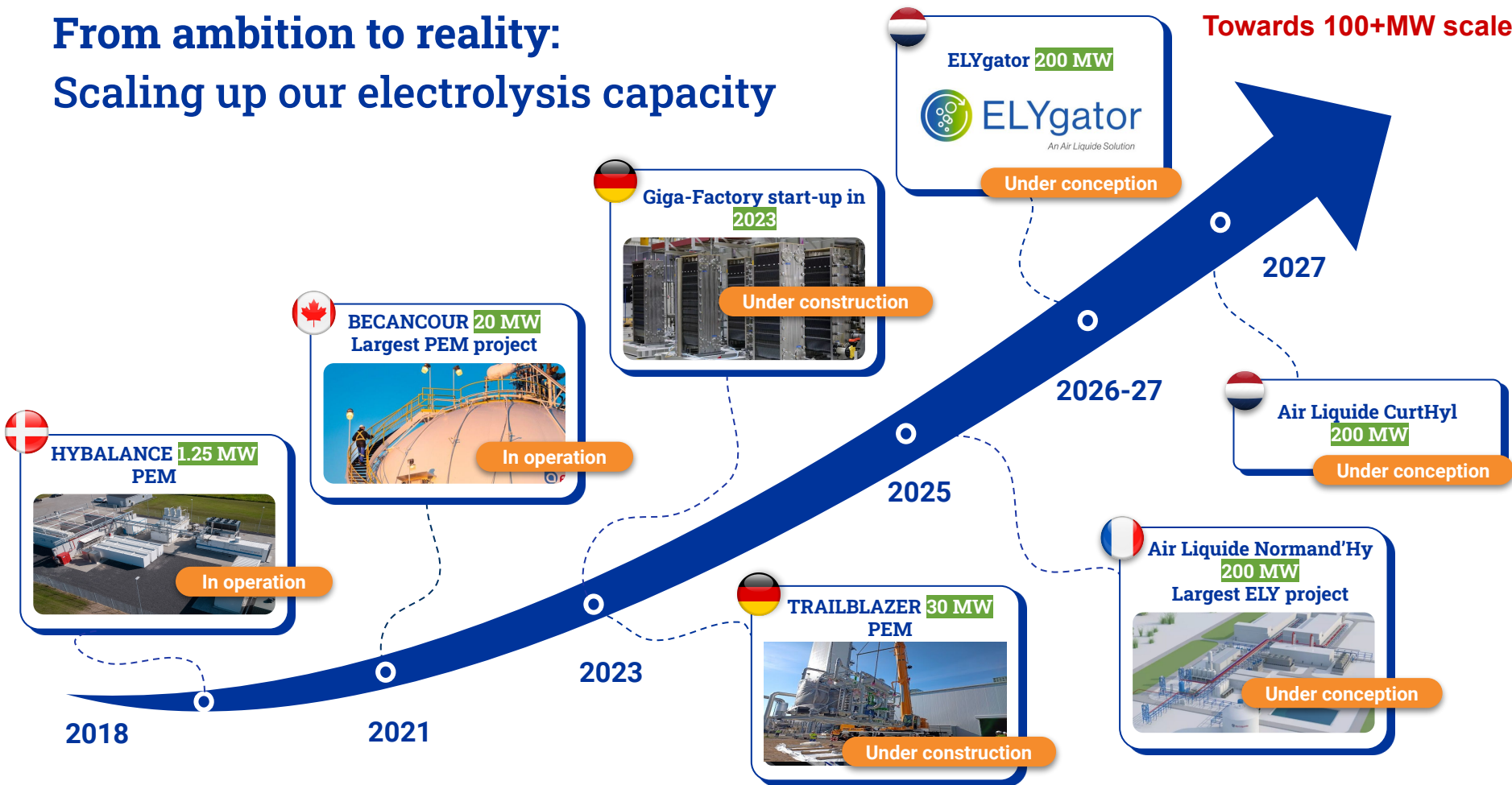
ELECTROLYSIS

(a) Including a confirmed capacity of 1 GW still under construction

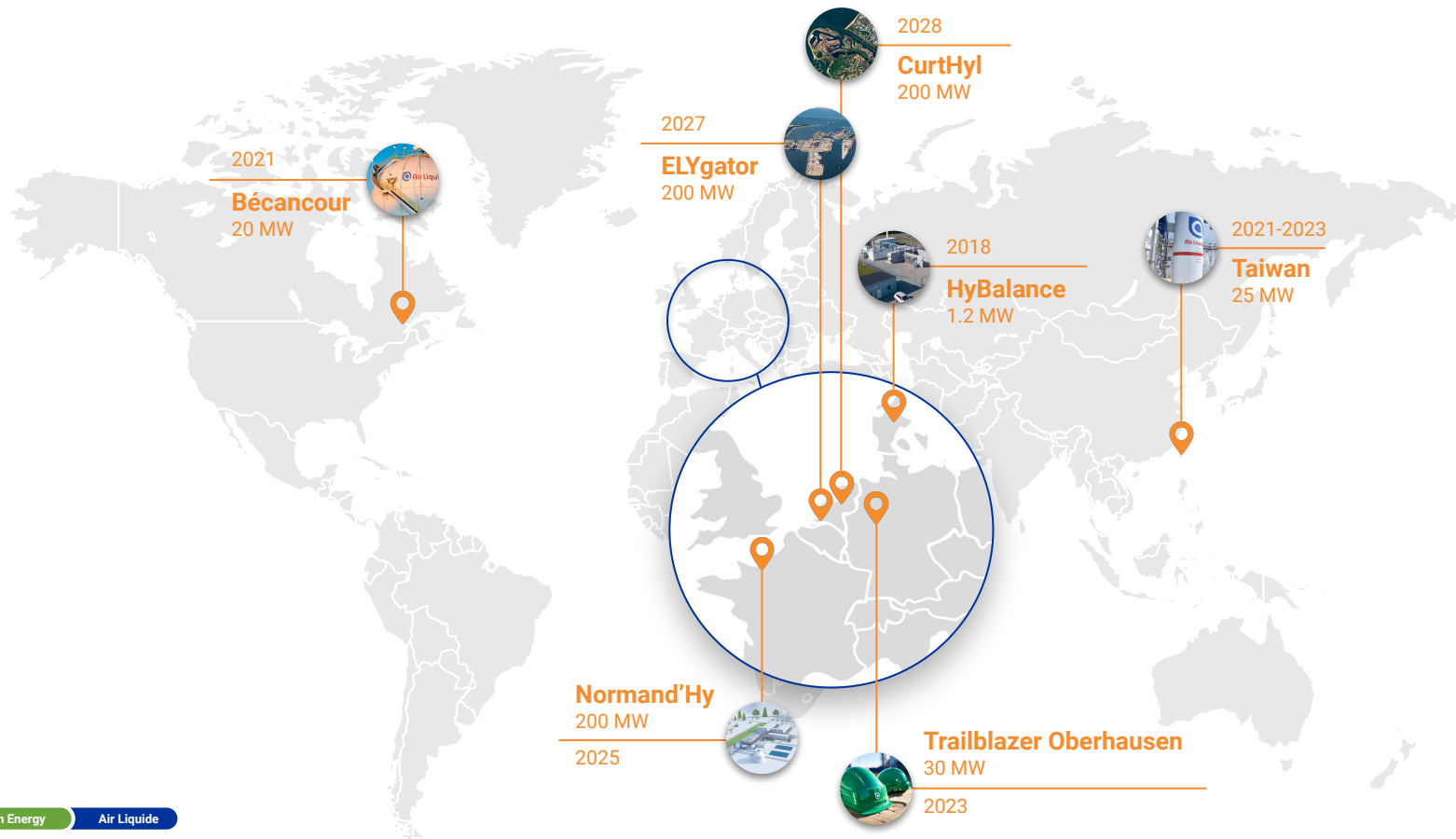


From ambition to reality: Scaling up our electrolysis capacity

Towards 100+MW scale



Air Liquide's electrolyzers at strategic locations





Construction of a 20 + 10 MW of PEM electrolyzer project in Germany, in the **Rhine-Ruhr area**, to produce renewable hydrogen for both **industrial** and **mobility** applications, commissioning by end **2023**.

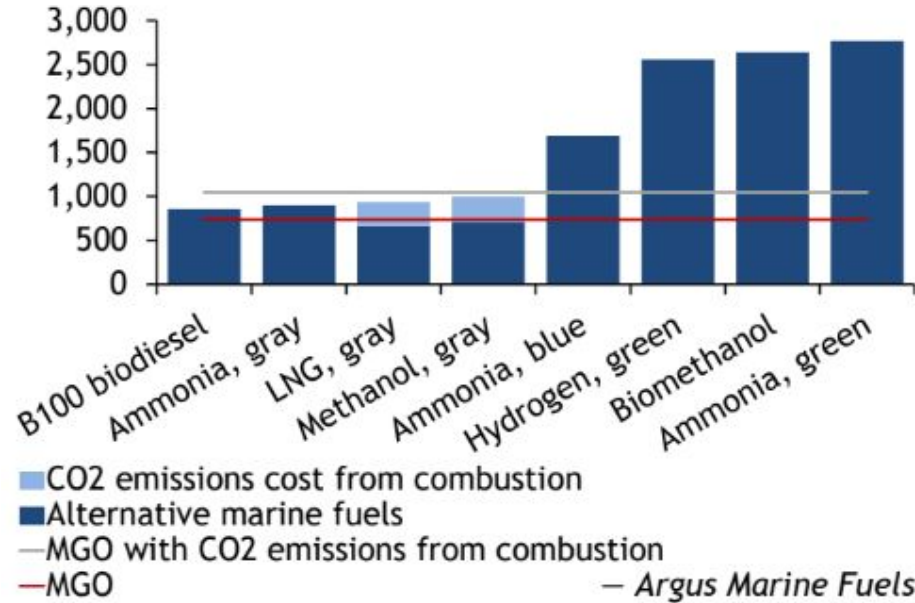
Trailblazer



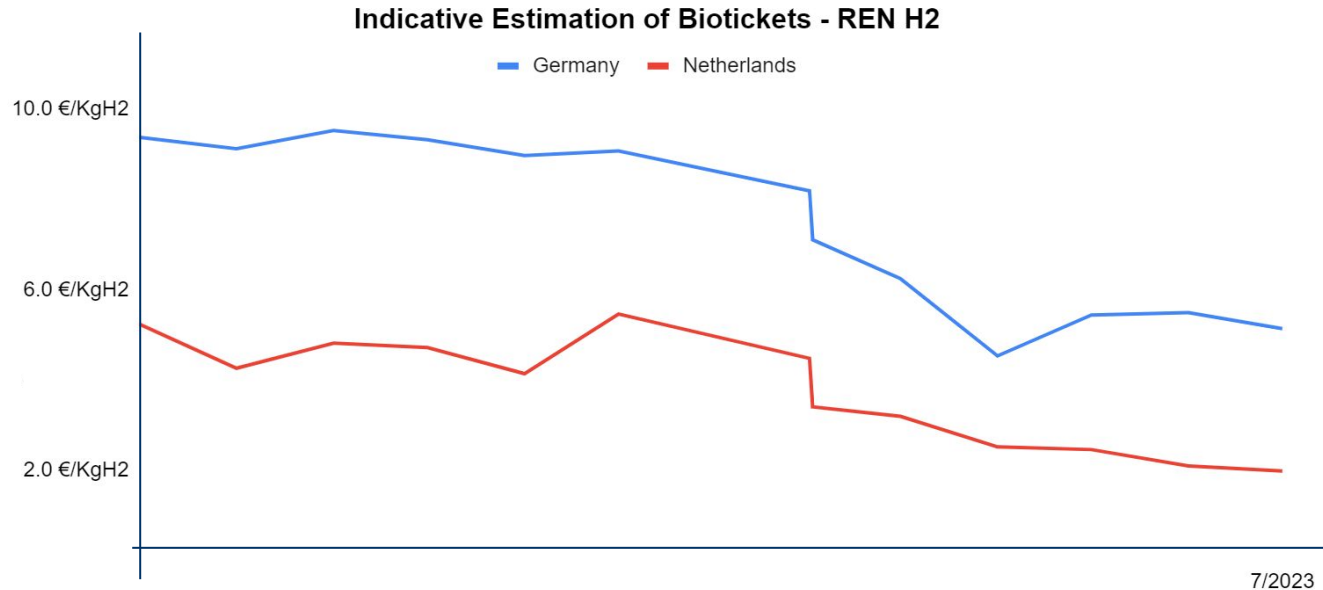
Today, the cost of Ren H2 is 2 to 3 times higher than eq fossil fuels

April 2023

\$/t MGO-equivalent



Credits for Ren H2 are required to reduce the cost



In practice, how would this work?

Key enablers to activate hydrogen fuel supply

