Air Liquide

H₂ Energy At the heart

of the energy transition

Dave Edwards

Director and Advocate for Hydrogen Energy Air Liquide

A world leader in gases, technologies, and services for...





~64,500 EMPLOYEES



PRESENT IN **78** COUNTRIES



+3.8 MILLION CUSTOMERS & PATIENTS



^{REVENUE} €20.5bn



NET PROFIT (GROUP SHARE) €2.4bn



INVESTMENT DECISIONS €3.2bn



Air Liquide Commitment: Creating value for a low -carbon society

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ABATEMENT OF CO2 EMISSIONS SETTING A TRAJECTORY TO REACH CARBON NEUTRALITY



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Hydrogen, cornerstone of the energy transition

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AIR LIQUIDE HYDROGEN MARKET TO MORE THAN TRIPLE BY 2035



Capturing demand:

- Low Carbon + Renewable H_2 offer
- New H₂ industrial applications
- Carbon Capture as a service
- H₂ mobility

Capturing additional value by decreasing customers CO₂ footprint

 $3 \text{ GW}^{(a)}$

Investment in:

- CO₂ Capture plants
- Electrolyzers
- Supply chain for mobility
- Acquisitions

(a) Including 1 GW decided still under construction



LEADING THE HYDROGEN ECOSYSTEM DEVELOPMENT



• 🔕 Air Liquide

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Northeast: Bécancour, QC:

The world's largest operating PEM Electrolyzer





\$42 M additional investment to existing site with liquefier



20 MW PEM electrolyzer Nearly 100% renewable H2 production

8.2 tons per day; increasing site's total production by 50%



Strengthen supply to main industrial markets in Canada and U.S.

Western US: North Las Vegas

Our first production facility dedicated to the Mobility Market





\$200M Investment including production, liquefaction and distribution



30 TPD Production able to meet the needs of 40,000 FCEVs



Flexible production able to meet the renewable hydrogen needs of the market



Strengthen supply to mobility markets across western US

At Air Liquide, we are confident in the hydrogen market of the future because we have built the hydrogen market of today

Thank you!

