



# HIF Global Haru Oni RFNBO demo plant

ISCC Stakeholder Meeting: RFNBO

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# HIF Global activities focused on key markets



## USA: huge and growing market

- 3 Phases, each of 12,000 b/d
- Focus in USA and Europe market

**HOUSTON**  
United States



## EMEA: direct and focal connection to EU market

**BERLIN**  
Germany



## Chile: best renewables

- 1 Pilot plant 7 barrels/d eq
- 1 Phase 1,000 barrels/d
- 2 Phases, each of 3 Trains, each of 12,000 b/d
- Main focus in Europe market

**SANTIAGO**  
Chile

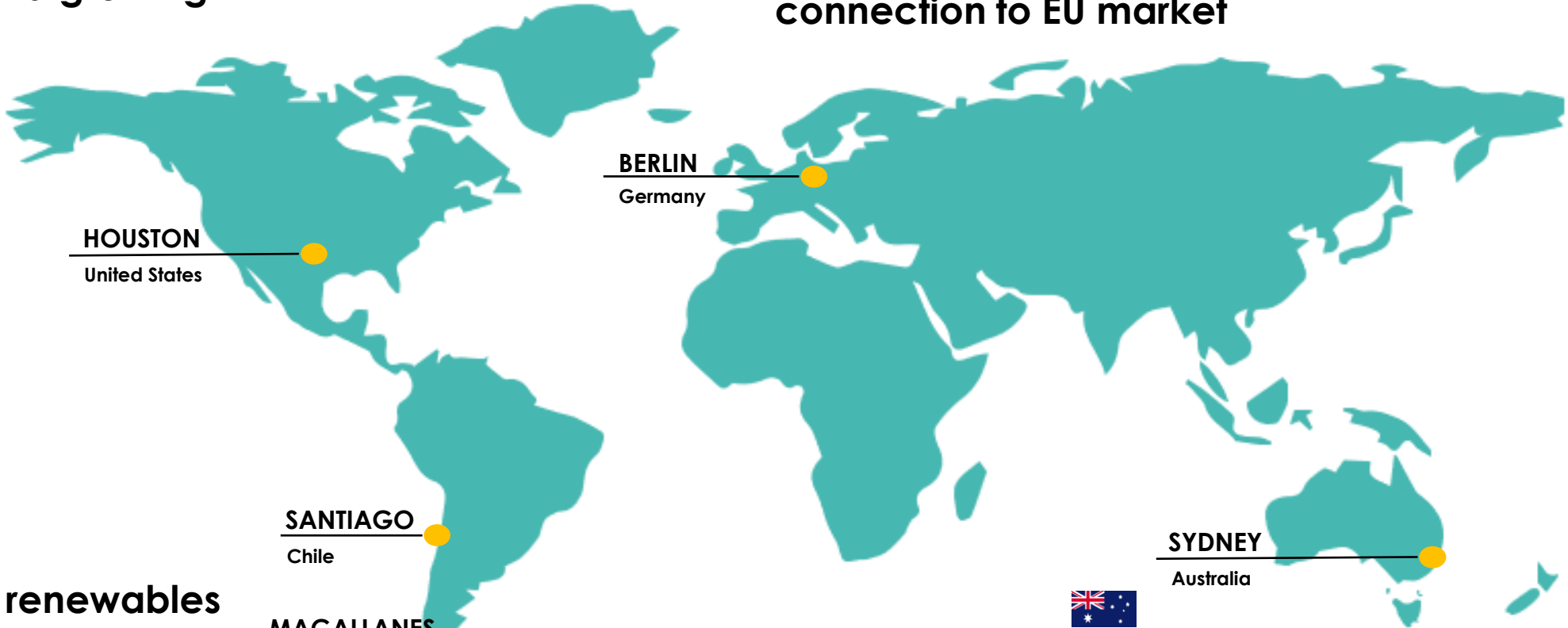
**MAGALLANES**  
Chile



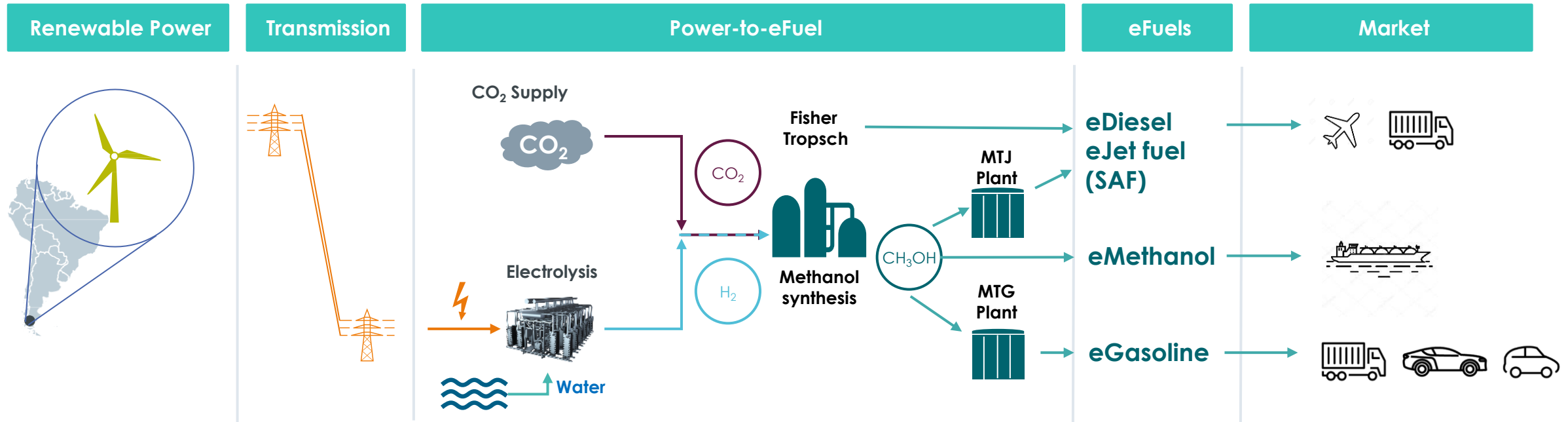
## Australia: unlimited renewables, gateway to Asia

- 1 Phase 1,000 b/d
- 3 Phases, each of 12,000 b/d
- Australian internal market/ exports to Asia

**SYDNEY**  
Australia



# HIF eFuel production process



# Haru Oni (demo plant): Why Chile?



Strong winds throughout the year

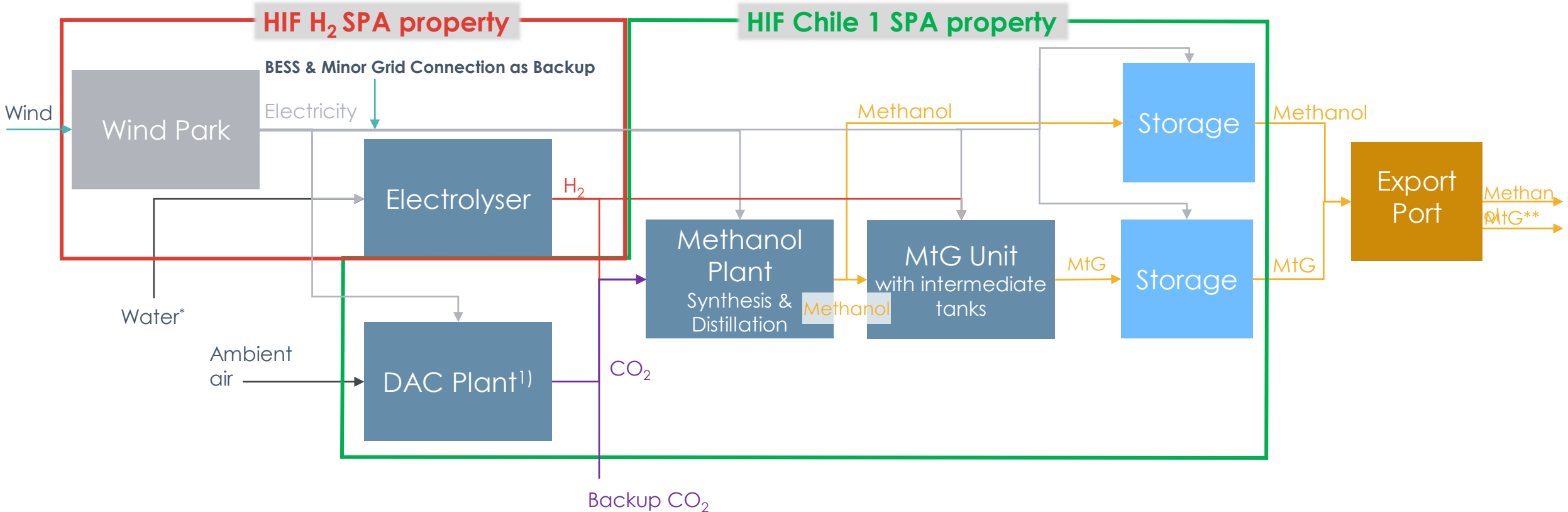


# Haru Oni (demo plant): a world class global team



# Haru Oni (demo plant): The Process

Tehuel Aike site 



\* Water is obtained from own well and treated through a reverse osmosis process; alternatively consideration of external supply of demineralized water.

\*\* MTG includes Gasoline and LG as output

# Closing remarks

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- Mainly 4 complex chemical process “black boxes”
  - Measurement system requirements
  - Not a simple GHG calculation
  - Internal procedures
- Certification of 3 Drop in fuel as end products (allocation of GHG emissions)
  - Methanol
  - Gasoline
  - LG
- Certification of the products on ISCC-plus and ISCC EU when available  
Development of a certification platform software.
- Certification is key for any green products. Without certification the product has no green value.





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