

APGH 2024 Expert Insights Pioneering the Path – Building the Asia Pacific Green Hydrogen Hub: ICE Petroleum Perspectives





Clean Hydrogen Total Addressable Market

The global clean hydrogen market presents unprecedented economic opportunities and delivery challenges over the next two decades.

South Asia Southeast Asia 141 USD billion **USD 1.4 Trillion USD 9 Trillion** 2050 Net zero Total global investments Global H₂ trade emissions required to develop clean value by 2050 **USD 1.4 Trillion** hydrogen supply chain target Global H₂ trade value by **2050 USD 3.1 Trillion** 2 Million 365 Jobs created Investments required in developing economies South Asia Southeast Asia **USD** billion **Production** Storage & Distribution **Trading** Bunkering **USD 0.6 Trillion** Renewable energy **Pipeline** New port New financial Global H2 trade Natural gas Refueling stations infrastructure markets and value by **2030** reformation + CCS Adoption as products Carbon tax and marine fuel accounting 135 **E**Petroleum Source: Deloitte Report dated 13 June 2023

Transformation

We quickly responded by synergizing our group capabilities, positioning our organization as an enabling partner for investment, development and owner representation to help drive the energy transition agenda.





Business Model

Through its integrated approach, ICE Petroleum is able to offer competitive levelized cost of hydrogen (LCOH).

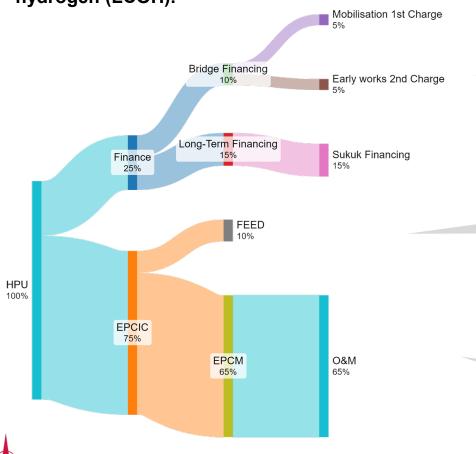


Diagram for illustrative purposes only

- Innovative sukuk financing model.
- Competitive cost of fund, leveraging on extensive global hydrogen track record.
- No overpriced risk premium and no multi-tier contracting.

- In-house FEED and EPCM resources, cutting out all middle parties.
- Competent technical and commercial manpower to optimise plant sizing and configuration.

Partnering approach with OEM from the project onset to ensure:

- Efficient, stable electrolyser operations.
- Sustainable and reliable O&M performance.





THANK YOU!

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