

“CLOSING REMARKS”

# 3rd International Hydrogen Aviation Conference IHAC 2022

*“Hydrogen: makes you fly in the sky!”*

Dr. Naveed Akhtar  
Founder & CEO  
Hy-Hybrid Energy

1<sup>st</sup> September 2022, Glasgow





### What we've discussed?

- **Hydrogen in Aviation- The Industry Perspective:** FC Module scalability (MW scale), efficient LH2 tank development, MT-PEMFC development, GT development (LH2 & SAF powered), regulations & policies, Hydrogen Hubs
- **Hydrogen Powered Aircraft & Infrastructure:** Liquid ammonia to turbofan combustion, Hydrogen supply chain & airport infrastructure, hydrogen drivetrains for 10-200+ seats' aircraft, Airships & pipe-within-a-pipe™, Synfuel vs. LH2
- **Hydrogen & Fuel Cell Technologies in Aviation:** Two levers approach: technology & sustainable fuel sources, role of air-compression system in fuel cell powered aircraft, living lab concept for airport sustainability, retrofitting a regional aircraft with a fuel cell drivetrain, Turbo air-cooled HT-PEM
- **Hydrogen Adaptation, Safety & Standards in Aviation:** H2 safety w.r.t. refuelling operations of an aircraft, H2 refuelling codes & standards, learnings from LNG transport sector to be adapted to LH2 aviation sector, Three H2 supply scenarios (truck, pipeline, on-site production) & their safety implications



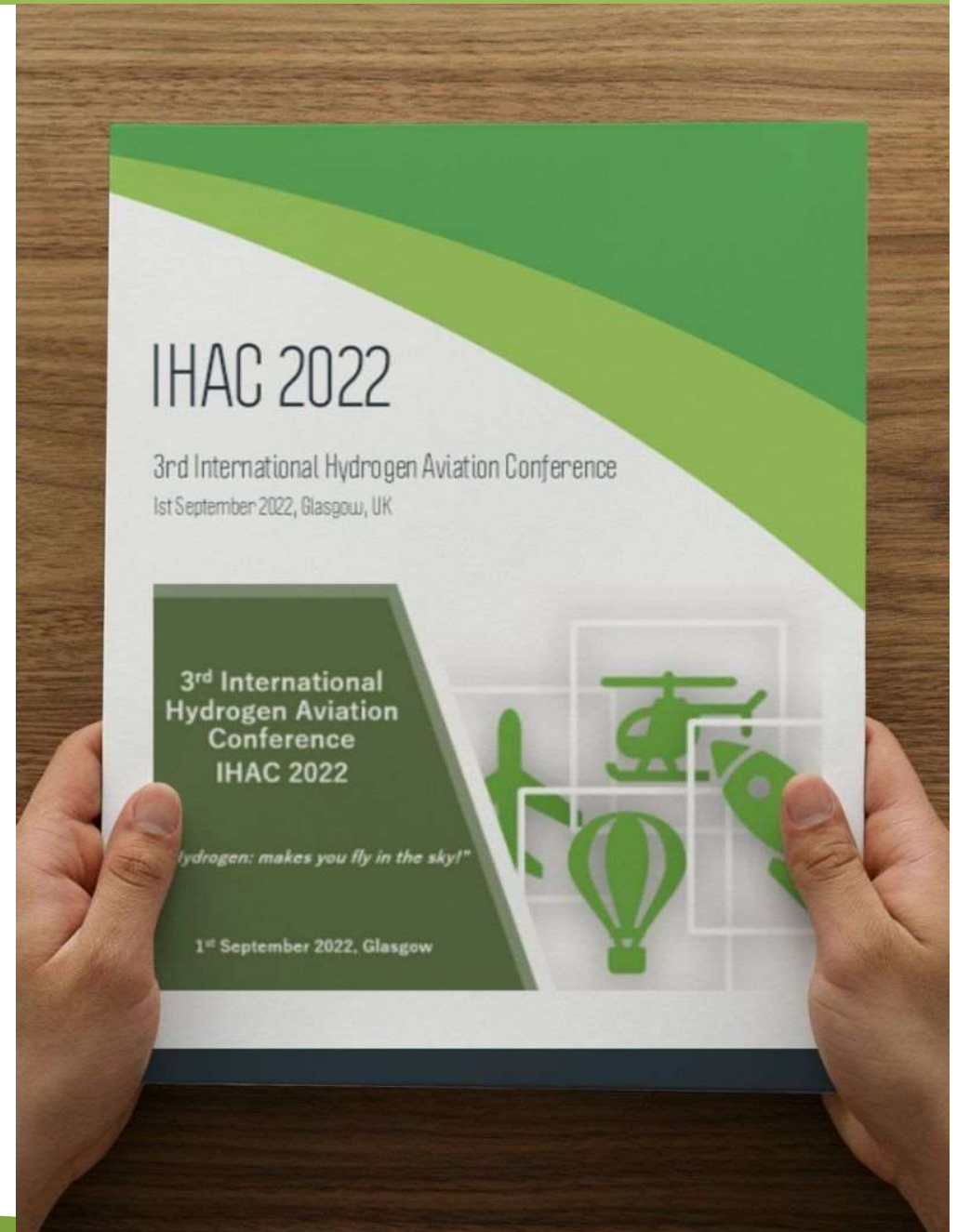
## 3<sup>rd</sup> International Hydrogen Aviation Conference (IHAC 2022)

**“We need to harmonise the key performance indicators (KPIs) & standards for the entire H2 value chain in Aviation.”**

**Dr. Naveed Akhtar**

**Founder & CEO, Hy-Hybrid Energy**

***Thank you very much for attending  
IHAC 2022!***





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*Please join us at free networking opportunity followed by Dinner Reception!*



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