

Closing Remarks: 2nd International Hydrogen Aviation Conference (IHAC 2021), 2nd September 2021

GLASGOW, SCOTLAND, UNITED KINGDOM, September 6, 2021 /EINPresswire.com/ -- [Hy-Hybrid Energy](#)- UK based leading fuel cell services provider is pleased to host the 2nd series of its annual International Hydrogen Aviation Conference (IHAC 2021) virtually on 2nd September 2021. The event was hosted at DoubleTree By Hilton Strathclyde, Glasgow, Scotland and was live-streamed to the registered participants for virtual attendance.

During IHAC 2021, twenty-one excellent presentations were delivered by the Panellists, discussing the use of hydrogen in aviation. The morning Plenary Speech was offered by Mr. Bart Biebuyck, Executive Director, Fuel Cells and Hydrogen Joint Undertaking (FCH JU) and the afternoon Keynote Speech was delivered by Mr. Andy Marsh, CEO, Plug Power.

In closing remarks, [Dr. Naveed Akhtar](#), Founder & CEO, Hy-Hybrid Energy stressed the need to speed-up the aviation decarbonisation by mutual collaborations and learning hydrogen tech advancements from other sectors, such as, road, rail and marine. The following key points were the part of Dr. Akhtar's concluding speech:

Fuel Cells (Propulsion, APU): PEMFC (LT, IT), SOFC (GT), power density (kW/kg, kW/L), operating conditions, thermal management.

Hydrogen Valleys/Hubs: Building hydrogen ecosystem, i.e., a complete hydrogen value chain, e.g., production, storage, process, infrastructure and use. Examples: Groningen Airport Netherland & Estonia Roadmap.

Storage, Refuelling & Infrastructure: 350 bar H₂, LH₂ (cooling & propulsion), Tank types (e.g., type- III, IV, V, multi-layer), composite vs. metallic tanks for LH₂ storage. Infrastructure at airports



vs. hydrogen capsule modules loading/unloading.

Standards & Safety: Gaseous vs. liquid hydrogen refuelling standards, e.g., refuelling time, flow rates, fuel delivery temperatures etc.

Hydrogen Powered Drones/EVTOL: Payload, range, supply chain for hydrogen.

Hydrogen Airships: Hydrogen storage onboard an airship (350 bar or less?), transportation of bulky & heavy items, e.g., tomatoes, hydrogen...

2 nd International Hydrogen Aviation Conference (IHAC 2021) IHAC 2021 Agenda, 2 nd September 2021, 08:50-18:05 (BST)	
08:50-08:55	Zoom Platform: Quick Intro for IHAC 2021 attendees James Nicol, Technical Support
08:55-09:00	Welcome message & opening remarks from the Organizer Dr. Naveed Akhtar, CEO, Hy-Hybrid Energy
Session Chair: Paul Perera, Director, Fluxart, UK	
09:00-09:20	Plenary Speech: How to realise a hydrogen propelled demonstrator by 2028 Bart Biebuyck, Executive Director, Fuel Cells and Hydrogen Joint Undertaking (FCH JU), Belgium
09:20-09:40	Long endurance commercial drone solutions Doo Soon Lee, CEO, Doosan Mobility Innovation Inc., South Korea
09:40-10:00	Light Solid Oxide Fuel Cells Pedro Nehter, Scientist Fuel Cells, Airbus Operations GmbH, Germany
10:00-10:20	Emergency Power Unit system for aircraft applications using Fuel-Cell technology Guillaume Albouze, Project Lead, Safran Power Units, France
10:20-10:40	Hydrogen Valley Airport Jonas van Dorp, Head of Aviation Marketing & Development, Groningen Airport Eelde, The Netherlands Patrick Cnubben, New Energy Coalition, The Netherlands
10:40-11:10	Morning Coffee Break
Session Chair: Huw Edwards, Research Engineer, Bristol Composites Institute/National Composites Centre, UK	
11:10-11:30	Towards Carbon Neutral Aviation Hubs Marek Alliksoo, CEO, SKYCOP, Estonia
11:30-11:50	Fuel cell system development for light aircraft Cedric Rouaud, Global Technical Expert, Thermal Systems, R&D fuel cell lead, Ricardo Automotive & Industrial, UK
11:50-12:10	A comprehensive pre-design and weight assessment methodology for eVTOLs propulsive systems using hydrogen and batteries Philippe Collin, Electrical Engineer, Caggenini Engineering, France
12:10-12:30	Hydrogen may not be a silver bullet, but it's the best bullet for achieving sustainable aviation before 2050 Paul Perera, Director, Fluxart, UK
12:30-12:50	AeroDelft: Project Phoenix & outlook on LH2 in aviation Rahiq Ullah, Team Manager, AeroDelft, The Netherlands
12:50-13:50	Lunch Break

At the end of the closing speech, Dr. Akhtar extended a personal invitation to all attendees to meet-up again (hopefully, in-person) next year at the [3rd International Hydrogen Aviation Conference](#) on 1st September 2022 in Glasgow. Finally, the

conference ended by bringing the attendees (who were available and agree to participate) to the virtual stage for a group photo session to commemorate their presence at IHAC 2021.

“

We need to make partnerships & learn from other industries which've proven the hydrogen tech in other applications, such as road, rail & marine, this will likely speed-up the aviation decarbonization.”

Dr. Naveed Akhtar, CEO, Hy-Hybrid Energy

About Hy-Hybrid Energy Limited:

Working with the leading players in the hydrogen and fuel cell sector, Hy-Hybrid Energy provides services in clean energy technologies. Based in Scotland, UK, the team are specialists in all major fuel cell types, renewable energy systems, hydrogen storage and production. Hy-Hybrid

Energy is leading the first of its kind in Hungary, the fuel cell bus development project which also includes battery electric buses development. The company is also proud to be the world's first in setting-up a platform (International Hydrogen Aviation Conference, IHAC) which gathers leading experts from the aviation sector, discussing the role of hydrogen in decarbonisation, annually. Other ongoing projects include low and high temperature fuel cell systems development for transport, back-up and off-grid applications.

Visit: www.hy-hybrid.com or contact Hy-Hybrid Energy, info@hy-hybrid.com

Hy-Hybrid Energy
33 Beechwood Avenue
+44 7424 312756
[email us here](#)

 2 nd International Hydrogen Aviation Conference (IHAC 2021) IHAC 2021 Agenda, 2 nd September 2021, 08:50-18:05 (BST)	
Session Chair: Marek Alliksoo, CEO, SKYCOP	
13:50-14:10	Airships as Optimal Platforms for Hydrogen Propulsion Gennadiy Verba, President & CEO, Atlas LTA Advanced Technology, Ltd, Israel
14:10-14:30	Influence of ambient pressure and temperature on compressor performance in a pressurized fuel cell air supply system for airplane applications Jonas Schröter, PhD Student, Ulm University, Institute of Energy Conversion and Storage, Germany
14:30-14:50	Composite Cryogenic Liquid Hydrogen Tanks Huw Edwards, Research Engineer, Bristol Composites Institute/National Composites Centre, UK
14:50-15:10	Hydrogen Storage solutions for future large capacity airship powered by hydrogen fuel cells Thibaud Miliotte, Project Manager for Hydrogen Innovations, Flying Whales, France
15:10-15:30	A Policy-Sensitive High-Level Model for Evaluating Current Cost- and Emission-Effective Options for Aviation Erica Trevisan, Norwegian School of Economics, NHH, Norway
15:30-16:00	Afternoon Coffee Break
Session Chair: Mykhaylo Filipenko, Co-Founder & CEO roadIA GmbH	
16:00-16:20	Keynote Speech: Hydrogen in the Sky: Will Hydrogen be the Next Fuel in Aviation? Andy Marsh, CEO, Plug Power, USA
16:20-16:40	Advancing hydrogen aviation standards through HyFlyer 2 James Ferguson, Research and Development Engineer, The European Marine Energy Centre, Ltd, UK
16:40-17:00	Challenges and Development Opportunities for Polymer Electrolyte Fuel Cells in the Aviation Industry Ahmad El-Kharouf, Research Fellow and CDT Manager, Centre for Fuel Cell and Hydrogen Research, University of Birmingham, UK
17:00-17:20	Universal Hydrogen: Making Carbon-Free Commercial Aviation a Near-Term Reality Jon Gordon, Co-Founder, Universal Hydrogen, USA
17:20-17:40	GREEN Pipeline in the Sky™ - transporting green hydrogen TO market Rinaldo Brutoco, Founder, Chairman & CEO, H2 Clipper, Inc., USA
17:40-18:00	Zero-Carbon Hydrogen Airships versus Long-haul Trucking Barry E. Prentice, University of Manitoba, Canada
18:00-18:05	Closing remarks from the Organizer Dr. Naveed Akhtar, CEO, Hy-Hybrid Energy

This press release can be viewed online at: <https://www.einpresswire.com/article/550676813>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2021 IPD Group, Inc. All Right Reserved.