First International Hydrogen Aviation Conference (IHAC 2020), 3rd Sept, 2020, Virtual: Closing Remarks

GLASGOW, UNITED KINGDOM, September 4, 2020 /EINPresswire.com/ -- Hy-Hybrid Energy- UK based leading fuel cell services provider is pleased to host the First International Hydrogen Aviation Conference (IHAC 2020) virtually on 3rd September 2020. The event was live-streamed from its original hosting place (i.e. pre-COVID-19 on-site hosting venue) DoubleTree By Hilton Strathclyde, Glasgow, Scotland, however.

During IHAC 2020, twenty excellent presentations were given by the Panellists, discussing the use of hydrogen in aviation, the associated benefits and emerging challenges. The event offered a virtual opportunity to connect with industry experts and stakeholders to discuss the role of hydrogen in aviation.

> We can see that a great amount of work is already underway, but we still have a long way to go!"
> *Dr. Naveed Akhtar, Founder & CEO, Hy-Hybrid Energy*

In closing remarks, Dr. Naveed Akhtar, Founder and CEO, Hy-Hybrid Energy highlighted the benefits of considering "Hydrogen Valleys at Airport" to create an entire value chain for a circular hydrogen economy. Dr. Akhtar also highlighted the role of solid oxide fuel cells (SOFCs) in utilizing synfuel, jet fuel and sustainable aviation fuels (SAFs). The need for further advancements in fuel cell systems development for aviation beyond 100 kW, use of reformed methanol fuel cell (Ref-MFC) systems for backup power generation at the airport terminal, consideration of phosphoric acid fuel cells (PAFCs) as microgrids for heat & power generation within the terminal building, matching fuel cell operating conditions with respect to aviation environment, development of refuelling standards for aviation (compressed H2, LH2 & SAF) and safety consideration with new advancements in the fuel cell technology were the key highlights in the closing remarks presented by Dr. Akhtar.

At the end of the closing speech, the organizer offered a surprise gift to all the attendees by offering them to come to the virtual stage for a group photo session in order to commemorate the success of this great event. The event will be remembered in the history of hydrogen aviation as its first international gathering during times when the aviation sector has been hard-hit by the pandemic (COVID-19).

First International Hydrogen Aviation Conference (IHAC 2020)
IHAC 2020 Agenda, 3rd September 2020, 08:50-17:45 (BST), Virtual

08:50-08:55	Zoom Platform: Quick intro for IHAC 2020 attendees James Nicol, Technical Support, Hy-Hybrid Energy
08:55-09:00	Welcome message & opening remarks from the Organizer Dr. Naveed Akhtar, CEO, Hy-Hybrid Energy
	Session Chair: Marek Alliksoo, CEO, SKYCORP
09:00-09:20	Hydrogen Energy: at the Heart of the Energy Transition, both on Ground and in the Sky Laurent Allidieres, H2 Technologies Director, Air Liquide advanced Hydrogen Energy World Business Line
09:20-09:40	Preparing for a hydrogen propelled aviation industry Bart Biebuyck, Executive Director, Fuel Cells and Hydrogen Joint Undertaking (FCH JU)
09:40-10:00	Getting ready for new things in the air - A Scandinavian perspective.... Fredrik Kampfe, Director, Swedish Aviation Industry Group
10:00-10:20	Preparing for a hydrogen future: a clean, green and more sustainable vision Sergey Kiselev, Head of Europe, ZeroAvia
10:20-10:40	What is needed to safely fly on hydrogen in the future? Roel van Benthem, Senior R&D Manager Energy Management/Thermal Control, NLR-Royal Netherlands Aerospace Centre
10:40-11:10	**Morning Break**
	Session Chair: Roel van Benthem, Senior R&D Manager Energy Management/Thermal Control, NLR-Royal Netherlands Aerospace Centre
11:10-11:30	Emission free electric flight with hydrogen- update on first hydrogen passenger aircraft Hy4 Josef Kallo, Coordinator- Energy System Integration, DLR
11:30-11:50	Why drones are the next best thing since the invention of aviation? Marek Alliksoo, CEO, SKYCORP
11:50-12:10	Hydrogen (H2) Fuel Cell Powered Flying Wing Package: Drones and Air Taxis with PLASMA Flow Control and Bionic StingRAY Geometry – H2PLASMARAY Berkant Göksel, Founder & CEO/CTO, Electrofluidsystems
12:10-12:30	Hydrogen aircraft and the future of aviation Andres Sanders, Team Manager, AeroDelft
12:30-12:50	What does hydrogen offer the aviation industry? Nikhil Sachdeva, Project Manager & Lead for Electrical Propulsion, Roland Berger
12:50-13:50	**Lunch Break**

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	Session Chair: Bernard Rousset, COO, CALAMALO Aviation SAS
13:50-14:10	Let's hydrogenify transportation – so many opportunities, but where to start? Mykhaylo Filipenko, Director for R&D at Rolls Royce Electric and Independent Consultant for Electric Mobility and Hydrogen Transition
14:10-14:30	Liquid Hydrogen: the Ultimate Sustainable Jet Fuel for a Zero Emission Aviation. Ongoing Work at Air Liquide for Flying a Representative Demonstrator Aboard a Manned Aircraft Pierre Crespi, Director of Innovation, Air Liquide advanced Technologies
14:30-14:50	Dual use of hydrogen for airships of the next generation Gennadiy Verba, President & CEO, Atlas LTA Advanced Technology, Ltd
14:50-15:10	Hydrogen for lift and propulsion of cargo airships Barry Prentice, Founder, President & CEO, Buoyant Aircraft Systems International
15:10-15:30	Nearest term application of Hydrogen in Aviation – Sustainable Aviation Fuel Production Steve Csonka, Executive Director, Commercial Aviation Alternative Fuels Initiative (CAAFI)
15:30-16:00	**Afternoon Break**
	Session Chair: Mykhaylo Filipenko, Director for R&D at Rolls Royce Electric & Independent Consultant for Electric Mobility and Hydrogen Transition
16:00-16:20	How to make the Morgann greener with H2 propulsion? Bernard Rousset, COO, CALAMALO Aviation SAS
16:20-16:40	Electrical propulsion architecture based on Hydrogen Fuel Cells for future large capacity airship solutions Thibaud Millotte, Leader of the "Zero-Emission" Plan for Airships, Flying Whales
16:40-17:00	Powertrains for the air transportation market: Hydrogen vs. Lithium – what's better? Alex Ivaneko, Founder & CEO, hypoint
17:00-17:20	H2 Clipper: The Practical Solution for the Hydrogen Economy Rinaldo Brutoco, Founder, Chairman & CEO, H2 Clipper, Inc
17:20-17:40	Solid-State Electric Source for Powering Aircraft, With Major Flight Range Extension (Recorded Presentation) John Read, CEO, Space Charge LLC
17:40-17:45	Closing remarks from the Organizer 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, and support both low and high temperature fuel cell technology.

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
Visit us on social media:
Facebook
Twitter
LinkedIn