



MONACO HYDROGEN ALLIANCE

MONACO HYDROGEN FORUM PROGRAM

27-28 November 2023

Hôtel Hermitage
Monte-Carlo, Monaco

Not for circulation – Draft Program – Subject to change

MONACO HYDROGEN FORUM

27-28 NOVEMBER 2023

The Monaco Hydrogen Forum, under the High Patronage of HSH Prince Albert II, brings together key public and private hydrogen operators, transportation & mobility leaders and policymakers to help accelerate the use of green hydrogen in mobility. This year's theme is ***Driving the Green H2 Revolution: Innovation, Investment and Infrastructure***.

Through two days of keynotes, high-level panel conversations and deep-dive workshops, the gathering will explore what **Innovation, Investment** and **Infrastructure** are needed to ensure Green Hydrogen plays a key role in decarbonizing sea, air, and land mobility.

Key event verticals:

- **Scaling Innovation:** incentivise more rapid deployment of new hydrogen technologies for the mobility ecosystem;
- **Increasing Investment:** what is needed to boost investments in renewable hydrogen;
- **Building Infrastructure:** ensure the integration of renewable hydrogen within global energy systems and transportation.

About the Monaco Hydrogen Alliance

The Monaco Hydrogen Alliance is a not-for-profit Association under Monegasque law, with a mission of promoting the use of renewable hydrogen in land, air, and maritime transportation. We aim to contribute to reversing the environmental impact of mobility on our societies.

INNOVATION DAY

Monday 27 November 2023

13:30-14:00 Hotel Hermitage WELCOME COFFEE	
14:00-14:05 OPENING REMARKS BY MONACO HYDROGEN ALLIANCE PRESIDENT	Hotel Hermitage - Salon Eiffel
14:05-14:20 MOVING THE WORLD WITH GREEN HYDROGEN	Hotel Hermitage - Salon Eiffel State of Play Presentation
<ul style="list-style-type: none"> - The renewable hydrogen sector offers a huge opportunity to decarbonize transportation on land, sea and air – but what is the real state of play of announced mega-projects around the world? - This opening session assesses these projects – and what is needed in terms of capital and planning to see them realized. 	
14:20-15:00 THE CLEAN MOBILITY RACE: SPORTS AND HYDROGEN	Hotel Hermitage - Salon Eiffel Panel Conversation
<ul style="list-style-type: none"> - The growing role of H2 in competitive racing on land and water. - How are these innovations creating commercial opportunities for hydrogen vehicles? 	
15:00 - 15:15 LOCAL AND REGIONAL EFFORTS	Hotel Hermitage - Salon Eiffel Keynote
<ul style="list-style-type: none"> - Country Focus – keynote address by public sector representatives (Ministers, Secretary Generals of International Organizations, Heads of Organizations and Associations). 	
15:15-15:55 GREEN HYDROGEN – MOVING IT AND MOVING WITH IT	Hotel Hermitage - Salon Eiffel Panel Conversation
<ul style="list-style-type: none"> - Hydrogen delivery, on-site storage, and dispensing technologies: energy efficiency in shipping and maritime transportation infrastructure. - Developing innovative solutions to produce, store and transport hydrogen. 	
15:55 - 16:35 DECARBONIZING LAND MOBILITY: H2 vs BEV vs ICE	Hotel Hermitage - Salon Eiffel Panel Conversation
<ul style="list-style-type: none"> - E-fuels, electric vehicles, hydrogen, gas and oil: understanding the dynamic energy landscape powering mobility. - Innovations in H2 mobility – what is hot and what is not. 	
16:35-17:00 Hotel Hermitage COFFEE AND NETWORKING BREAK	
17:00-17:20 MONACO PRIZE FOR INNOVATION IN RENEWABLE HYDROGEN AND MOBILITY – PRESENTATION AND FINALIST PITCHES	Hotel Hermitage - Salon Eiffel Finalists in action
<ul style="list-style-type: none"> - 3 of the top 6 contestants of the Monaco Prize pitch their solutions to the jury and Monaco Hydrogen Forum audience. 	

17:20-18:00	Hotel Hermitage - Salon Eiffel
DECARBONISING AND INNOVATING IN SEA MOBILITY: FROM INFRASTRUCTURE TO H₂ SHIPS	Panel Conversation
<ul style="list-style-type: none"> - On site and offshore energy production in ports and in the ocean: hydrogen accessibility for maritime mobility. - Fuel cell technologies, operations and applications - the case of seaports and trade network. - The ship of the future: Hydrogen fuel cell powered systems. 	
18:00 - 18:40	Hotel Hermitage - Salon Eiffel
RECONSTRUCTING THE WORLD'S ENERGY SYSTEMS	Panel Conversation
<ul style="list-style-type: none"> - Restructuring gas markets and repurposing energy pipelines for hydrogen. - What innovations are still needed to maximise benefits of a hydrogen economy? - How can hydrogen energy carriers become an integrated part of world's energy system? 	
18:40 - 19:00	Hotel Hermitage - Salon Eiffel
MONACO PRIZE FOR INNOVATION IN RENEWABLE HYDROGEN AND MOBILITY – PRESENTATION AND FINALIST PITCHES	Finalists in action
<ul style="list-style-type: none"> - 3 of the top 6 contestants of the Monaco Prize pitch their solutions to the jury and Monaco Hydrogen Forum audience. 	
19:00 - 19:10	Hotel Hermitage - Salon Eiffel
INNOVATION DAY CLOSING REMARKS	Closing Remarks

INVESTMENT AND INFRASTRUCTURE

Tuesday 28 November 2023

08:00 - 09:00	Hotel Hermitage
BREAKFAST – PRIVATE SESSIONS	
09:00 – 09:10	Hotel Hermitage - Salon Eiffel
GOING GREEN HYDROGEN	Opening Keynote
09:10 – 09:40	Hotel Hermitage - Salon Eiffel
COMMITTING TO A “JUST TRANSITION”	Panel Conversation
<ul style="list-style-type: none"> - Commitments towards <i>Just Transitions</i> are on the rise by nations around the world – what are the outcomes so far and what are the expected ones - how is H₂ integral to this? 	
09:40 – 10:20	Hotel Hermitage - Salon Eiffel
INCENTIVES AND POLICYMAKING	Panel Conversation
<ul style="list-style-type: none"> - What further incentives - both financial and regulatory - are needed to prod consumers to transition towards H₂-powered mobility options? - Consumers and a green premium. 	

10:20 – 11:00	Hotel Hermitage - Salon Eiffel
HYDROGEN IN THE AIR	Panel Conversation
<ul style="list-style-type: none"> - With the take-off of the first hydrogen planes and UAV's , how can we leverage existing technologies and infrastructures to ensure hydrogen flights are an enduring reality? - From supply chains, to airports, aerospace manufacturers and airlines, this panel will explore what is needed for this technology to grow exponentially. 	

10:40 – 11:20	Hotel Hermitage - Salon Eiffel
TARGETS AND PROMISES – REGULATORY RESPONSES	Panel Conversation
<ul style="list-style-type: none"> - Where do international regulatory bodies stand with their green hydrogen response plans? - A deep dive into governments' green hydrogen roadmaps: subsidy schemes, large scale demonstration projects. 	

11:20 – 12:00	Hotel Hermitage - Salon Eiffel
IPOs: Winning with Green Hydrogen	Panel Conversation
<ul style="list-style-type: none"> - What makes investing in green hydrogen so attractive? - Are hydrogen stocks a viable alternative for companies to protect themselves from oil shocks and especially gas price volatility? 	

12:00 - 13:30 Hotel Hermitage

LUNCH BREAK

13:30 – 15:00	Hotel Hermitage - Salon Eiffel
STRATEGY AND SECTOR-SPECIFIC DEEP-DIVES	Deep-dive session/workshops
<ul style="list-style-type: none"> - Parallel, participative workshops and roundtable discussions: by members of the Monaco Hydrogen Alliance and by governments, key policymakers and regulators. 	

15:00 - 15:30 Hotel Hermitage

NETWORKING AND COFFEE BREAK

15:30 – 15:45	Hotel Hermitage - Salon Eiffel
LOCAL AND REGIONAL EFFORTS	Keynote
<ul style="list-style-type: none"> - Country Focus – keynote address by public sector representatives (Ministers, Secretary Generals of International Organizations, Heads of Organizations and Associations). 	

15:45 – 16:25	Hotel Hermitage - Salon Eiffel
HYDROGEN STORAGE: TACKLING LOW ENERGY-DENSITY CONSTRAINTS AND CREATING THE LONG TERM VISION	Panel Conversation
<ul style="list-style-type: none"> - Creating the long term storage needs for hydrogen. - Which innovative technologies are needed and how can they improve capacity building and enhance production capabilities? - Grid balancing and power grids. - Understanding chemical vs physical hydrogen storage. 	

16:25 – 16:45	Hotel Hermitage - Salon Eiffel
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SCORING A BANKABLE INVESTMENT	1:1 Conversation
<ul style="list-style-type: none"> - How to make your investments more bankable in this competitive, and fast growing environment – where many projects fail? - What can make your innovative project a bankable investment and attract financing? 	

16:45 - 17:00 Hotel Hermitage
NETWORKING AND COFFEE BREAK

17:00 – 17:40	Hotel Hermitage - Salon Eiffel
HYDROGEN BANKS AND FUNDS: LARGE SCALE CAPITAL DEPLOYMENT	Panel Conversation
<ul style="list-style-type: none"> - Financial infrastructures entirely dedicated to funding hydrogen projects across countries and continents are growing. - What are the successes and limitations of such financing models? 	

17:40 – 18:10	Hotel Hermitage - Salon Eiffel
ENERGY AND MOBILITY: UNITED THROUGH COLLABORATION AND PARTNERSHIPS	Panel Conversation
<ul style="list-style-type: none"> - Hydrogen has strengthened the energy and mobility value chain: we are witnessing a surge of global collaborations between key players in energy and mobility, decarbonizing the most polluting industry in the world. 	

18:10 – 18:30	Hotel Hermitage - Salon Eiffel
AWARDS CEREMONY FOR THE MONACO PRIZE FOR INNOVATION AND RENEWABLE HYDROGEN AND TRANSPORTATION	Closing Ceremony

19:45 - 22:00 Hôtel de Paris

GALA DINNER
Gala Dinner for the participants of the Monaco Hydrogen Forum - hosted by the Monaco Chamber of Shipping.

