



MONACO
HYDROGEN
FORUM

Hydrogen's New Paradigm: Rethinking Investment, Boosting Innovation



Dec. 1–2, 2025 Monaco

MONACO HYDROGEN FORUM

1-2 December 2025

The Monaco Hydrogen Forum is the premier gathering of global business leaders, investors, policymakers, and innovators dedicated to positioning clean hydrogen at the core of future energy and industrial strategies—particularly in mobility and transportation. In response to pressing global climate challenges, the theme of the Forum's fourth edition is **HYDROGEN'S NEW PARADIGM: RETHINKING INVESTMENT, BOOSTING INNOVATION**, with a focus on critical topics such as Policy & Financing, Infrastructure & Logistics, Hydrogen Leading Markets, and Innovation & Technology.

The Forum provides in-depth analysis of the investment opportunities, financing models, and technological advancements shaping the clean hydrogen market today and in the future. Forum participants connect with leading investors, entrepreneurs, and industry experts to explore the evolving business landscape and uncover strategies for scaling hydrogen solutions across multiple sectors. Discussions will address the development of robust, sustainable value chains—from production and infrastructure to trade and logistics—while examining best practices for risk management, supply chain optimization, and maximizing economic and environmental returns.

The Monaco Hydrogen Forum is held under the High Patronage of H.S.H. Prince Albert II of Monaco.

Program Day 1

December 1, 2025

Welcome Coffee		13:30 - 14:00
Hotel Hermitage - Foyer Eiffel		
Keynote Session		14:00 - 14:05
Opening Remarks		Hotel Hermitage - Salon Eiffel
Mr. John Rossant , President, Monaco Hydrogen Alliance		
Keynote Session		14:05 - 14:15
XXX		Hotel Hermitage - Salon Eiffel
Official opening keynote address by His Serene Highness Prince Albert II of Monaco		
State of Play Presentation		14:15 - 14:35
		Hotel Hermitage - Salon Eiffel
<i>Powered by Deloitte</i>		
Opening Panel		14:35 - 15:15
Hydrogen Retrofitting: Accelerating Sustainable Mobility		Hotel Hermitage - Salon Eiffel
<ul style="list-style-type: none"> • How can we highlight methods for upgrading existing transportation fleets (road, rail, maritime, aviation) with hydrogen systems. • Look into practical examples and roadmaps for retrofitting shared by industry leaders and policymakers. • Focus on how retrofitting can accelerate hydrogen market adoption. 		
Panel Conversation		15:15 - 15:55
Offshore Hydrogen Production: Harnessing the Seas for Clean Energy		Hotel Hermitage - Salon Eiffel
<ul style="list-style-type: none"> • Explore the technical, commercial, and environmental dimensions of producing hydrogen at sea, • Examine how offshore platforms—both fixed and floating—are being paired with renewable energy sources (offshore wind, wave and tidal power) to generate green hydrogen directly on-site. • Look into system design challenges, including electrolyser integration under marine conditions, subsea power transmission, and the development of robust mooring and anchoring solutions. 		
Finalists Pitches		15:55 - 16:25
Monaco Prize for Innovation in Renewable Hydrogen and Transportation		Hotel Hermitage - Salon Eiffel
<ul style="list-style-type: none"> • The finalist contestants of the Monaco Prize pitch their solutions to the jury and audience of the Monaco Hydrogen Forum. 		
Coffee & Networking Break		16:25 - 16:45
Hotel Hermitage - Foyer Eiffel		

Panel Conversation	16:45 – 17:25
Corporate Investments: How Venture Capital and Banks Can Fuel the Hydrogen Transition	Hotel Hermitage - Salon Eiffel
<ul style="list-style-type: none"> • Experts compare approaches to balancing risk and return, bridging the gap between early-stage innovation and commercial deployment, and aligning investment strategies with net-zero objectives. • Offer practical guidance on closing funding gaps, navigating regulatory uncertainty, and fostering a robust financial ecosystem for hydrogen. 	

Tech Spotlight	17:25 - 18:05
Harnessing Innovative Digital Technologies and Hydrogen Innovations: From Fuel Cells to DRI and Beyond	Hotel Hermitage - Salon Eiffel
<ul style="list-style-type: none"> • Explore the integration of AI into smart grids and energy storage systems • Learn how digital tools can enable dynamic pricing, demand response, and smoother integration of renewable energy sources. • Utilization of blockchain technologies for 'proof of origin' certification of clean hydrogen and its derivatives. • Unpack the state of play and key enablers across a range of emerging hydrogen innovations—from advanced graphite formulations that boost fuel-cell conductivity and durability to cutting-edge solid-oxide electrolysis cells, ammonia-cracking systems, and next-generation storage solutions 	

Panel Conversation	18:05 – 18:40
Bridging Continents: Geopolitics, Trade and Europe-Middle East Hydrogen Links	Hotel Hermitage - Salon Eiffel
<ul style="list-style-type: none"> • Focus on cross-continental green hydrogen projects between Europe and the Middle East via the Mediterranean Sea. • Key discussions will center on how these transnational initiatives enhance energy security, support sustainable trade, and diversify energy supplies. 	

Finalists Pitches	18:40 – 19:10
Monaco Prize for Innovation in Renewable Hydrogen and Transportation	Hotel Hermitage - Salon Eiffel
<ul style="list-style-type: none"> • The finalist contestants of the Monaco Prize pitch their solutions to the jury and audience of the Monaco Hydrogen Forum. 	

Cocktail Welcome Reception	19:10 - 20:45
Hotel Hermitage - Salle Belle Époque	

Program Day 2

December 2, 2025

Housekeeping Remarks	09:00 – 09:05
Welcome Back	Hotel Hermitage - Salon Eiffel

Panel Conversation	09:05 – 09:45
Public Private Partnerships: Catalysts for Hydrogen's Ramp Up	Hotel Hermitage - Salon Eiffel
<ul style="list-style-type: none"> • Explore how collaborations between governments and private companies are accelerating hydrogen projects through shared funding, expertise and risk-sharing—from grants, guarantees and co-investments to public-private partnership contracts introduced under the Clean Investment Directive. • How CID-backed PPPs alongside joint investments are bringing new hydrogen plants, pipelines and supply chains online. 	

Panel Conversation	09:45 – 10:30
e-SAF: Scaling Hydrogen's Role in Aviation	Hotel Hermitage - Salon Eiffel
<ul style="list-style-type: none"> • Focus on both the potential and challenges of integrating hydrogen-derived fuels into the aviation sector. • Explore how the maritime sector's 2027 net-zero fuel regulations, set by IMO, are accelerating the adoption of hydrogen-derived synthetic fuels, highlighting a contrast with the slower deployment timelines for hydrogen-powered aircraft. 	

Coffee & Networking Break	10:30 – 10:50
Hotel Hermitage - Foyer Eiffel	

MHA Invest Talks	10:50 – 11:30
Hotel Hermitage - Salon Eiffel	

Paint My Vision	11:30 – 12:10
Rewiring the Grid: How Oil and Gas Network Operators Are Evolving for a Low-Carbon Hydrogen Future	Hotel Hermitage - Salon Eiffel
<ul style="list-style-type: none"> • Investigating how existing oil and gas pipelines are being repurposed for low-carbon hydrogen transport. Infrastructure leaders share insights on technical retrofits, financing mechanisms, cross-border coordination, and the policy foresight essential for network transformation by 2030 and beyond. • Unpack the practical realities of preparing for a low-carbon hydrogen economy in diverse geopolitical and industrial contexts. 	

Panel Conversation	12:10 – 12:45
Hydrogen Corridors: Linking Producers and Consumers + Shared Power: Connecting Hydrogen Infrastructure for Transport and Industry	Hotel Hermitage - Salon Eiffel
<ul style="list-style-type: none"> • Explore how "hydrogen valleys" and transport corridors link producers with industrial, transport and power users—covering route planning, storage options and cost-optimization strategies. • Examine electricity grid requirements and congestion challenges for green hydrogen production, the competition for power with other sectors, and the role of additionality rules in ensuring that hydrogen projects don't merely displace existing renewables. 	

Lunch Break
 Hotel Hermitage - Salle Belle Époque

12:45 – 14:20

Panel Conversation	14:20 – 15:25
Ports and Airports as Hydrogen Hubs: Accelerating Decarbonization in Multimodal Logistics	Hotel Hermitage - Salon Eiffel
<ul style="list-style-type: none"> • Examines how port and airports can evolve into integrated hydrogen ecosystems, driving both intra- and extra-port mobility and enabling cleaner supply chains. • Explore the transformation of terminals into hydrogen production, storage, and distribution centers—highlighting onsite electrolysis, bunkering facilities for fuel-cell vessels, and hydrogen refueling stations for trucks, rail shuttles, and cargo ships. • Assess the effects on local transport networks while addressing connections to hinterland pipelines and cross-border hydrogen corridors.eth 	

Panel Conversation	15:25 – 16:05
White Hydrogen: A Game Changer for the Green Transition	Hotel Hermitage - Salon Eiffel
<ul style="list-style-type: none"> • Focus on the inherent cost advantages of white hydrogen, the technological innovations propelling its adoption, and the strategic role that oil and gas companies can play in transitioning to this alternative energy source. • How can a balanced perspective on white hydrogen's role in complementing green hydrogen address market challenges while driving the global green transition forward? 	

Panel Conversation	
Hydrogen and Derivatives for Maritime Shipping: Navigating the Transition	
<ul style="list-style-type: none"> • Assess hydrogen's derivatives role and recent developments as sustainable fuels in the maritime sector with an in-depth focus on a case study approach. • Focus on the production of green ammonia, safe handling and storage practices, and the technical adjustments required for integration into marine engines. 	

MHA Invest Talks	16:05 - 17:10
	Hotel Hermitage - Salon Eiffel

Panel Conversation	17:10 – 17:40
Electrolyzers Economics: Cutting Costs, Scaling Impact	Hotel Hermitage - Salon Eiffel
<ul style="list-style-type: none"> • Examine the evolving balance of electrolyser supply and demand while diving into the latest advances in electrolyser design, manufacturing scale-up, and cost-reduction innovations. • Experts will group hydrogen into renewable fuels of non-biological origin (RFNBO) or low-carbon types, and use blue and grey hydrogen cost benchmarks to set performance targets. • Outline actionable strategies to lower both CAPEX and OPEX—boosting green hydrogen's competitiveness within those frameworks. • Discussion will cover how the EU's Carbon Border Adjustment Mechanism influences project economics by internalizing carbon costs on imports, and how local component requirements—such as the European Hydrogen Bank's 25% cap on non-EU parts—impact overall costs and supply-chain resilience. 	

Paint My Vision	18:20 -19:00
Global Policies Driving Hydrogen Demand	Hotel Hermitage - Salon Eiffel
<ul style="list-style-type: none"> • Delve into the policy instruments—such as subsidies, tax incentives, carbon pricing, border adjustments mechanisms, public procurement criteria/lead market creation (e.g. green hydrogen-based steel), and low-carbon fuel standards—that create stable markets for hydrogen. • Present case studies demonstrating how coherent, consistent regulations stimulate investment, strengthen supply-chain resilience, and accelerate technology adoption worldwide. 	

Closing Ceremony	19:00 - 19:30
Awards Ceremony for the Monaco Prize for Innovation in Renewable Hydrogen and Transportation	Hotel Hermitage - Salon Eiffel
<ul style="list-style-type: none"> • The winners of the Monaco Prize will be awarded by XXXX 	

Closing Reception

Hotel Hermitage - Foyer Eiffel

Gala Dinner

Hotel de Paris

Gala Dinner for the participants of the Monaco Hydrogen Forum - hosted by Scorpio

