



WORLD HYDROGEN 2024

SUMMIT & EXHIBITION

13-15 MAY 2024

ROTTERDAM AHOY, NETHERLANDS

IN PARTNERSHIP WITH:



Government of the Netherlands



City of
Rotterdam



THE OFFICIAL WORLD HYDROGEN SUMMIT IN ROTTERDAM

THE GLOBAL PLATFORM WHERE HYDROGEN BUSINESS GETS DONE

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The Largest and Most Senior Hydrogen Summits



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CONFIRMED SPEAKERS

1. **H.E. Rob Jetten**, Minister for Climate and Energy Policy, **Government of the Netherlands**
2. **Sang Hyup Kim**, Co-Chairperson, Presidential Commission on Carbon Neutrality and Green Growth, **Republic of Korea**
3. **H.E. Elisa Facio**, Minister of Industry, Energy and Mining, **Government of the Republic of Uruguay**
4. **Lord Callanan**, Minister for Energy Efficiency and Green Finance, Department for Energy Security & Net Zero, **UK Government**
5. **Mr. Karlo van Dam**, Director of Sustainable Industry, **Government of the Netherlands**
6. **Frederik Zevenbergen**, Regional Minister, **Province of Zuid-Holland**
7. **Ahmed Aboutaleb**, Mayor, **City of Rotterdam**
8. **Boudewijn Siemons**, Chief Executive Officer and Interim COO, **Port of Rotterdam**
9. **Martijn Coopman**, Program Manager International Hydrogen Supply Chains, **Port of Rotterdam**
10. **Randolf Weterings**, Programme Manager, Hydrogen, **Port of Rotterdam**
11. **Nico van Dooren**, Head of Business Development, **Port of Rotterdam**
12. **Jeroen Steens**, Commercial Delivery Director, **Port of Rotterdam**
13. **Ann-Kathrin Lipponer**, Associate Programme Officer, **IRENA**
14. **Fiona Simon**, CEO, **Australian Hydrogen Council (AHC)**
15. **Alicia Eastman**, Co-host, **Everything About Hydrogen**, Co-Founder and Board Member, **InterContinental Energy**
16. **Daria Nochevnik**, Director for Policy and Partnerships, **Hydrogen Council**
17. **Clare Jackson**, CEO, **Hydrogen UK**
18. **Sonia Maleky**, Director of Hydrogen Technology, **Microsoft**
19. **Kajsa Rytberg Wallgren**, Executive Vice President, Growth & Hydrogen Business, **H2 Green Steel**
20. **Noé van Hulst**, Vice-Chair, **IPHE**, Hydrogen Advisor, **IEA & Gasunie**
21. **Christian Pho Duc**, Chief Technology Officer, **Smartenergy**
22. **Dr René Cotting**, Chief Financial Officer, **Smartenergy**
23. **Ivo Bols**, President, Europe and Africa, **Air Products**
24. **Caroline Stancell**, Executive Director of Hydrogen, Europe & Africa, **Air Products**

25. **Manish Patel**, BD Manager Hydrogen, **Air Products**
26. **Steve Hamburg**, Chief Scientist, **Environmental Defense Fund**
27. **Ilissa Ocko**, Climate Scientist II, **Environmental Defense Fund**
28. **Mark Brownstein**, Senior Vice President, **Environmental Defense Fund**
29. **Felipe Arbelaez**, Senior Vice President Hydrogen & CCS, **bp**
30. **Audrey Megill**, VP for Projects New Energy, **bp**
31. **Simon Herbert**, Vice President, EAME, **ExxonMobil I Low Carbon Solutions**
32. **Bert De Backker**, Policy & Strategy Manager, EAME, **ExxonMobil I Low Carbon Solutions**
33. **Dr. Nikunj Gupta**, VP, New Energies and Technical Projects Division, **ADNOC**
34. **Thomas Pasfield**, VP, Hydrogen Business Development, **ADNOC**
35. **Nizam Salem**, Director, Projects Development and Execution, Masdar Green Hydrogen, **Masdar**
36. **Andreas Bieringer**, Director, Green Hydrogen Business Development and Commercial, Masdar Green Hydrogen, **Masdar**
37. **Carlos Barrasa**, Executive VP Commercial & Clean Energies, **Cepsa**
38. **Jorge Palomar Herrero**, Global Hydrogen Development Director, **Iberdrola**
39. **David Burns**, Vice President Clean Energy, **Linde**
40. **Jeff Pollack**, Chief Strategy & Sustainability Officer, **Port of Corpus Christi Authority**
41. **Marcel Galjee**, Chief Strategy Officer, **HyCC**
42. **Willemien Terpstra**, CEO, **Gasunie**
43. **Paul Dainora**, Head of Business Development, **thyssenkrupp nucera**
44. **Christian Stuckmann**, VP Business Development Hydrogen, **Uniper Hydrogen**
45. **Kasper Tipsmark Therkildsen**, Chief Engineer of Alkaline Electrolysis, Envision Hydrogen, **Envision Energy**
46. **Peter Wagner**, CEO, **Nikkiso Clean Energy and Industrial Gases Group**
47. **Ramon van den Dungen**, Managing Director Energy Sector Coverage, Hydrogen Lead, The Netherlands, **ING**
48. **Steve Milward**, Chief Operating Officer, **8 Rivers**
49. **Occo Roelofsen**, Founder, **Power2X**
50. **Taco Hoencamp**, Business Development, Hydrogen, **RHDHV**
51. **Martin van 't Hoff**, Commercial Manager Hydrogen, **Technip Energies**
52. **Dr. Sopna Sury**, Chief Operating Officer Hydrogen, **RWE Generation SE**
53. **Rafael Fejervary**, Hydrogen Director, **SLB**
54. **John Gunn**, Global Manager of Operations, Energy Transition, **Bechtel**
55. **Fabian Jochem**, Head of Power-to-Gas Sales, **SMA Altenso GmbH**

56. **Dr Dean Bialek**, Chief Officer, External Relations & Governmentt Affairs, **CWP Global**
57. **Anders Lundquist**, Business Development Manager, **TechnipFMC**
58. **Andreas Lippert**, Vice President and General Manager Electrolyzers, **Accelera by Cummins**
59. **Lotte Rosenberg**, Chief Executive Officer, **Carbon Recycling International**
60. **Mattijs Slee**, CEO, **Battolyser Systems**
61. **Alan Hayes**, Global Head of Pricinfg for Energy Transition, **S&P Global Commodity Insights**
62. **Tamme Mekkes**, Business Development Director, **Koole Terminals**
63. **Dr. Peter Podesser**, Chief Executive Officer (CEO), Board Chairman, **SFC**
64. **Shaun Gregory**, Executive Vice President of New Energy, **Woodside**
65. **Koos-Jan van Brouwershaven**, CEO, **H2 Fuel**
66. **Darren A Dale**, Director of Product Management, **Xylem**
67. **Michel Erades**, Senior Director Global Energy Transition, **McDermott**
68. **Christopher Hebling**, Director International, **Fraunhofer Institute for Solar Energy Systems ISE**
69. **Rene Peters**, Business Director Gas Technology, **TNO**
70. **Jan Strybol**, Deputy General Secretary, **EIGA**
71. **Laurent Antoni**, Executive Director, **IPHE**
72. **Madadh MacLaine**, Secretary General, **Zero Emissions Ship Technology Association**
73. **Celia Greaves**, CEO, **Hydrogen Energy Association**
74. **Bart Biebuyck**, CEO, **Green Energy Park**
75. **Hadi Hajibeygi**, Professor of Geo-Energy Solid and Fluid Mechanics, **TU Delft**
76. **Alexander Garbar**, Head of Corporate Development and Strategy, **Duisburger Hafen AG**
77. **Dirk Rabelink**, CEO, **ULC-Energy**

SUMMIT DAY ONE

MONDAY 13 MAY

07:30 WELCOME BREAKFAST & REGISTRATION

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08:30 SUMMIT WELCOME ADDRESS

Speakers

- **Rob Arthur**, Director of Partnerships, **Sustainable Energy Council**
- Master of Ceremonies: **Simone van Trier**
- **H.E. Rob Jetten**, Minister for Climate and Energy Policy, **Government of the Netherlands**
- **Boudewijn Siemons**, Chief Executive Officer and Interim COO, **Port of Rotterdam**
- **Frederik Zevenbergen**, Regional Minister, **Province of Zuid-Holland**
- **Ahmed Aboutaleb**, Mayor, **City of Rotterdam**

09:15 KEYNOTE ADDRESSES

- **Christian Pho Duc**, Chief Technology Officer, **Smartenergy**
- **Ivo Bols**, President, Europe and Africa, **Air Products**

09:45 **SESSION 1: Leading Global Hydrogen Projects**

- Current projects underway leading developments
- Lessons learnt to date from global trade
- Policies incentivizing demand towards a profitable energy transition
- Will we achieve the 10+10 MTPA by 2030 in Europe?

Moderator

Dr Dean Bialek, Chief Officer, External Relations & Government Affairs, **CWP Global**

Panellists

Simon Herbert, Vice President, EAME, **ExxonMobil Low Carbon Solutions**

Dr. Nikunj Gupta, VP, New Energies and Technical Projects Division, **ADNOC**

Carlos Barrasa, Executive VP Commercial & Clean Energies, **Cepsa**

Paul Dainora, Head of Business Development, **thyssenkrupp nucera**

Christian Stuckmann, VP Business Development Hydrogen, **Uniper Hydrogen**

Jorge Palomar Herrero, Global Hydrogen Development Director, **Iberdrola**

10:45 **NETWORKING COFFEE BREAK**

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11:15 **SPOTLIGHT:** International Hydrogen Trade Forum

- Findings of the corridor study and priority actions to accelerate cross border trade of hydrogen derivatives

Moderator

Daria Nochevnik, Director for Policy and Partnerships, **Hydrogen Council**

Panellists

H.E. Rob Jetten, Minister for Climate and Energy Policy, **Government of the Netherlands**

Boudewijn Siemons, Chief Executive Officer and Interim COO, **Port of Rotterdam**

12:00 **FIRESIDE CHAT:** The Netherlands to Germany Hydrogen Corridor

Speakers

TBC

12:15 **SESSION 2:** Harnessing Hydrogen to Decarbonise Hard to Abate Sectors

- The future vision for a decarbonised world
- Public and private sector collaboration to decarbonise heavy industries
- Addressing suitability in diverging industries and applications
- Power-to-x opportunities beyond hydrogen to enable cross sector decarbonization
- Off takers lessons learned to date and priorities

Keynote Address

Felipe Arbelaez, Senior Vice President Hydrogen & CCS, **bp**

Moderator

Occo Roelofsen, Founder, **Power2X**

Panellists

Felipe Arbelaez, Senior Vice President Hydrogen & CCS, **bp**

Taco Hoencamp, Business Development, Hydrogen, **RHDHV**

Kajsa Ryttberg Wallgren, Executive Vice President, Growth & Hydrogen Business, **H2 Green Steel**

Michel Erades, Senior Director Global Energy Transition, **McDermott**

13:30 **NETWORKING LUNCH**

Sponsored by



14:30 **SESSION 3: Hydrogen Transportation, Distribution and Storage**

- Supply Chain integration to develop hydrogen ecosystems
- Building trust with customers to enable scaling up
- Developing transportation and distribution efficiencies for cost reduction
- Underground hydrogen storage to allow for scaling-up the hydrogen economy

Presentation

Willemien Terpstra, CEO, Gasunie

Moderator

TBC

Panellists

Willemien Terpstra, CEO, Gasunie

Peter Wagner, CEO, Nikkiso Clean Energy and Industrial Gases Group

Dr. Sopna Sury, Chief Operating Officer Hydrogen, RWE Generation SE

Tamme Mekkes, Business Development Director, Koole Terminals

15:30 SPOTLIGHT: How to maximize hydrogen's climate benefits and minimize its risks

Moderator

Speaker

Steve Hamburg, Chief Scientist, Environmental Defense Fund

15:45 SPOTLIGHT: Clean Energy Storage Solutions for a Net Zero Future

Moderator

Celia Greaves, CEO, Hydrogen Energy Association

Panellists

Anders Lundquist, Business Development Manager, TechnipFMC

Dr. Peter Podesser, Chief Executive Officer (CEO), Board Chairman, **SFC**
Hadi Hajibeygi, Professor of Geo-Energy Solid and Fluid Mechanics, **TU Delft**

16:15 NETWORKING COFFEE BREAK

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16:45 SESSION 4: Low Carbon Hydrogen Production & CCUS

- Low carbon hydrogen latest project and policy developments
- What are the barriers holding low carbon hydrogen back?
- How critical is low carbon hydrogen to meet current targets?
- CCUS as a key enabler of hydrogen demand and infrastructure development
- Utilising CCUS to decarbonise existing hydrogen markets

Moderator

Jeroen Steens, Commercial Delivery Director, **Port of Rotterdam**

Panellists

David Burns, Vice President Clean Energy, **Linde**

Steve Milward, Chief Operating Officer, **8 Rivers**

Martin van't Hoff, Commercial Manager Hydrogen, **Technip Energies**

Rafael Fejervary, Hydrogen Director, **SLB**

John Gunn, Global Manager of Operations, Energy Transition, **Bechtel**

Lotte Rosenberg, Chief Executive Officer, **Carbon Recycling International**

17:45 SPOTLIGHT: International Power-to-X Workshop: Concluding Statement

Speakers

Christopher Hebling, Director International, **Fraunhofer Institute for Solar Energy Systems ISE**

Rene Peters, Business Director Gas Technology, **TNO**

END OF DAY 1

18:00 GALA DINNER



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SUMMIT DAY TWO

TUESDAY 14 MAY

08:00 WELCOME BREAKFAST & REGISTRATION

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09:00 OPENING KEYNOTE ADDRESSES

- **Sang Hyup Kim**, Co-Chairperson, Presidential Commission on Carbon Neutrality and Green Growth, **Republic of Korea**
- Senior Representative, **Government of South Australia**

09:45 SESSION 5: Electrolyser Developments

- Will there be enough electrolyser production capacity?
- Electrolyser giga factories: will there be enough capacity? What are the bottlenecks?
- Electrolyser advancements towards commercial scale-up & cost reduction
- Grid integration of hydrogen electrolyzers

Moderator

Senior Representative, **Ramboll**

Panellists

Kasper Tipsmark Therkildsen, Chief Engineer of Alkaline Electrolysis, Envision Hydrogen, **Envision Energy**

Andreas Lippert, Vice President and General Manager Electrolyzers, **Accelera by Cummins**

Fabian Jochem, Head of Power-to-Gas Sales, **SMA Altenso GmbH**

Mattijs Slee, CEO, **Battolyser Systems**

Darren A Dale, Director of Product Management, **Xylem**

10:45 NETWORKING COFFEE BREAK

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11:30 **SESSION 6: Renewable Hydrogen Production**

- Will there be enough green power from Wind, Solar, Hydro, Geothermal?
- Overcoming challenges in scaling up production
- What is needed to build a successful project
- Renewable power cost decline curve

Moderator

TBC

Panellists

Christian Pho Duc, Chief Technology Officer, **Smartenergy**

Caroline Stancell, Executive Director of Hydrogen, Europe & Africa, **Air Products**

Nizam Salem, Director, Projects Development and Execution, Masdar Green Hydrogen, **Masdar**

Marcel Galjee, Chief Strategy Officer, **HyCC**

12:30 **NETWORKING LUNCH**

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13:30 **SESSION 7: Financing Hydrogen Projects**

- De-risking investment opportunities to accelerate capital flow into hydrogen
- Case Studies in successful project funding and financial instruments working worldwide
- What funding opportunities are available for hydrogen projects?

Moderator

TBC

Panellists

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Ramon van den Dungen, Managing Director Energy Sector Coverage, Hydrogen Lead, The Netherlands, **ING**

Alan Hayes, Global Head of Pricing for Energy Transition, **S&P Global Commodity Insights**

Dr René Cotting, Chief Financial Officer, **Smartenergy**

14:15 SPOTLIGHT: Invest in Canada

Speakers

14:30 SPOTLIGHT: Hydrogen in the Americas

Moderator

Bart Biebuyck, CEO, **Green Energy Park**

Panellists

H.E. Elisa Facio, Minister of Industry, Energy and Mining, **Government of the Republic of Uruguay**

15:15 NETWORKING COFFEE BREAK

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15:45 SPOTLIGHT

Keynote Address

TBC

16:00 SESSION 8: Realising Offtake Agreements and Demand for Hydrogen

- How can we bring the full supply chain to FID simultaneously?
- How can we mobilise hydrogen to ensure the survival of energy intensive industries?
- What are the obstacles to scaling up demand for hydrogen?
- How can end users position themselves optimally for the energy transition?

Moderator

Noé van Hulst, Vice-Chair, **IPHE**, Hydrogen Advisor, **IEA & Gasunie**

Panellists

Thomas Pasfield, VP, Hydrogen Business Development, **ADNOC**

Andreas Bieringer, Director, Green Hydrogen Business Development and Commercial, Masdar Green Hydrogen, **Masdar**

Sonia Maleky, Director of Hydrogen Technology, **Microsoft**

17:00 SPOTLIGHT: Deep Dive into Australian Opportunities Panel

Moderator

Fiona Simon, CEO, **Australian Hydrogen Council (AHC)**

Panellists

Martijn Coopman, Program Manager International Hydrogen Supply Chains, **Port of Rotterdam**

17:45 SESSION 9: Standardization, Certification & Regulations

- Global coordination for commercial trade and carbon credits
- Global standardisation on the carbon intensity of energy molecules
- Working towards mutual recognition of certification schemes across the world to facilitate global trade

Moderator

Jan Strybol, Deputy General Secretary, **EIGA**

Panellists

Bert De Backker, Policy & Strategy Manager, **ExxonMobil | Low Carbon Solutions**

Laurent Antoni, Executive Director, **IPHE**

Ilissa Ocko, Climate Scientist II, **Environmental Defense Fund**

Ann-Kathrin Lipponer, Associate Programme Officer, **IRENA**

18:30 END OF DAY 2

SUMMIT DAY THREE

WEDNESDAY 15 MAY

09:00 **SPOTLIGHT:** European Hydrogen Policies

Moderator

Clare Jackson, CEO, Hydrogen UK

Panellists

Lord Callanan, Minister for Energy Efficiency and Green Finance, Department for Energy Security & Net Zero, **UK Government**

Mr. Karlo van Dam, Director of Sustainable Industry, **Government of the Netherlands**

09:45 **SESSION 10:** Global Ports Leading the Energy Transition to a Hydrogen Economy

- Latest progress in the development of Europe's Hydrogen Hub
- Green Shipping Corridors as a means to accelerate the hydrogen ecosystem
- Latest updates from the U.S. Hydrogen Hubs funding
- The role of Ports in the decarbonization of maritime and bunkering.

Moderator

Madadh MacLaine, Secretary General, **Zero Emissions Ship Technology Association**

Panellists

Nico van Dooren, Head of Business Development, **Port of Rotterdam**

Jeff Pollack, Chief Strategy & Sustainability Officer, **Port of Corpus Christi Authority**

Alexander Garbar, Head of Corporate Development and Strategy, **Duisburger Hafen AG**

10:30 **NETWORKING COFFEE BREAK**

11:00 **SESSION 11:** Decarbonising Shipping

- Projections for shipping decarbonization
- Power-to-x pathways to decarbonize shipping
- Policies incentivising the transition to e-fuels

- The role of ammonia, methanol, liquid hydrogen, LOHC

Moderator

Alicia Eastman, Co-host, **Everything About Hydrogen**, Co-Founder and Board Member, **InterContinental Energy**

Panellists

Mark Brownstein, Senior Vice President, **Environmental Defense Fund**
Koos-Jan van Brouwershaven, CEO, **H2 Fuel**

11:45 SPOTLIGHT: State of the Industry Keynote Address

Keynote Address

TBC

12:00 SPOTLIGHT: Leading Cities Spearheading Hydrogen Development

Moderator

Noé van Hulst, Vice-Chair, **IPHE**, Hydrogen Advisor, **IEA & Gasunie**

Panellists

Ahmed Aboutaleb, Mayor, **City of Rotterdam**

13:00 NETWORKING LUNCH

14:00 SESSION 12: An Outlook for Hydrogen's Future

- Where could the hydrogen industry be in 5-10 years?
- Bringing hydrogen projects to FID
- What are the opportunities and bottlenecks as the hydrogen industry progresses?
- How can we use what we have learned so far to accelerate the industry?

Moderator

TBC

Panellists

TBC

14:45 SESSION 13: Hydrogen Accelerating Sustainable Mobility

- Latest projects and priorities to meet 2030 targets
- Cross sector collaboration to develop a hydrogen mobility ecosystem
- Timescales towards achieving net-zero long-haul mobility
- Case Studies from successful hydrogen transportation deployment to date

Moderator**TBC****Panellists****Manish Patel, BD Manager Hydrogen, Air Products****15:30 NETWORKING COFFEE BREAK****16:00 FIRESIDE CHAT: EU Leading Global Hydrogen Developments**

- Following on from REPower EU in 2022 and the EU Hydrogen Bank in 2023 – we hear the latest advancements for the EU plans for Hydrogen in 2024 and beyond

Moderator**TBC****Speaker****TBC****16:15 SESSION 14: Scaling Up Electrolysis for Large Scale End-Use**

- Challenges and opportunities in scaling up electrolysis
- Integrating for e-fuels, e-methanol and ammonia productions
- Considering cost externalities within CAPEX and OPEX projections
- Challenges for the Power Grid when scaling up electrolysis
- Utilising nuclear base load power for high efficiency electrolyzers

Moderator**TBC**

Panellists

Randolf Weterings, Programme Manager, Hydrogen, **Port of Rotterdam**

Audrey Megill, VP for Projects New Energy, **bp**

Dirk Rabelink, CEO, **ULC-Energy**

Senior Representative, **Ramboll**

17:15 END OF SUMMIT

WHAT'S ON AT WORLD HYDROGEN 2024

SUNDAY 12 MAY	MONDAY 13 MAY	TUESDAY 14 MAY	WEDNESDAY 15 MAY	THURSDAY 16 MAY
Site Visits Port of Rotterdam	Summit Day 1 Exhibition Day 1	Summit Day 2 Exhibition Day 2	Summit Day 3	Site Visits Port of Rotterdam
				
VIP Exhibition Opening Ceremony	H2 Tech Series Day 1	Africa Hydrogen Forum		
World Hydrogen Awards Ceremony	Gala Dinner	H2 Tech Series Day 2	SUMMIT 13th-15th May	
			EXHIBITION 13th-14th May	

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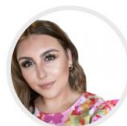
GET IN TOUCH WITH THE TEAM



Chris Hugall
Managing Director
Sustainable Energy Council
Phone: +44 20 7978 0080

[EMAIL](#)


Rob Arthur
Director of Partnerships
Sustainable Energy Council
Phone: +44 20 7978 0095

[EMAIL](#)


Rhian Berry
Marketing Manager
Sustainable Energy Council
Phone: +44 20 7978 0011

[EMAIL](#)


Catalina Zuliani
Product Director
Sustainable Energy Council
Phone: +44 20 7978 0049

[EMAIL](#)

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