



INDUSTRY INSIGHTS OF THE LATEST
PRODUCTION TECHNOLOGIES

H2 TECH INSIGHTS

DAY 1 – Monday 13th May 2024

Efficiency and Cost Reduction

- 10:00** *EverWind Fuels - North America's Most Advanced Green Hydrogen Project*
Matthew Tinari, Chief Financial Officer and Chief Strategy Officer, **EverWind Fuels**
- 10:15** *Opportunities for Cost Reduction on Green Hydrogen Facilities*
Jake Martin, Business Development Manager – Energy Transition Projects, **Petrofac**
- 10:30** *Ortho-Para Catalyst for Hydrogen Liquefaction*
Danny Beissinger, Green Energy Business Development Manager, **Molecular Products**
- 10:45** *Underground Hydrogen Storage, the Real Technical Challenges*
Eddy Kuperus, Business Development Manager, **Gasunie**
- 11:00** *The Advantages of Automation in Scaling up Hydrogen Plants*
Jyri Kaivosoja, Senior Product Manager, **Valmet**

Safety

- 11:15** *Leading our Hydrogen Industry Safely Through Growth & Transition*
Owen Quake, Head of HSE&C, H2-CCS, **bp**
- 11:30** *How to Ensure Safety for Green Hydrogen Applications*
Martin Harrop, Key Account Manager, **MSA The Safety Company**
- 11:45** *Protecting Against Fire and Explosion Risks in Hydrogen Facilities*
Fraser Weir, CEO, **InterDam**

Electrolysis Technologies

- 12:00** *The Promise & The Risks of Hydrogen Electrolysis Projects*
Stephan Ladd, Team Lead Business Development, **H-TEC SYSTEMS**
- 12:15** *Upscaling from Large to Extra-large Electrolyzer Projects*
Denis Thomas, Business Development & Marketing Director EMEA / APAC – Electrolyzers, **Accelera by Cummins**
- 12:30** *Advancing Nel's Electrolyzer Technology for Large-Scale Industrial and Energy Applications*
Everett Anderson, VP Advanced Product Development, **Nel Hydrogen**

Project Updates

- 12:45** *\$1.8bn Linde-OCI Low-carbon Ammonia Project Update*
Lorenzo Fernández de Villavicencio, Sr. Strategy Manager, Clean Energy, **Linde**
- 13:00** *The Feedstock Transition: A Sustainable Carbon Future*
Lucas Prat, EVP Consulting, **Power2X**
- 13:15** *Powering our Economy and the World with Clean Energy*
Traci Simmons, CEO, **Opportunities New Brunswick**
Jeff Hoyt, Assistant Deputy Minister of Energy and Mineral Development, **New Brunswick Department of Natural Resources and Energy Development**
- 13:30** *Transforming Industries: The Economic Edge of Carbon-Negative (bio)hydrogen Produced On-Site*
Henk Kleef, CEO, **HyGear**

Latest Technologies

- 13:45** *KTS Cascade Cooling: Optimizing Plot, Power and Water Consumption in Central Cooling Systems*
Roy Niekerk, VP Hydrogen & New Energies, Global Sales Solutions,
Kelvion Thermal Solutions
- 14:00** *Measurements in the H2 World: Control your Safety and Quality*
Stephan Zuijdendorp, Global Hydrogen Industry Segment Manager,
Process Sensing Technologies (PST)
- 14:15** *Scalability and Efficiency of Electrolysis Power Electronics*
Wouter van Gennip, Commercial Director, **Prodrive Technologies**
- 14:30** *Future Proof Power Supply Solutions for Electrolyzers – Provide Hydrogen with Benefits*
Hasret Varan, Sales & Business Development Manager - P2G, **SMA Altenso GmbH**
- 14:45** *Ammonia Cracking by Technip Energies*
Maria Liouta, Product Development Engineer, **Technip Energies**
- 15:00** *Compression Solutions for Hydrogen Transportation and Storage in Europe*
Veronika Schelling, Hydrogen Mobility & Energy Leader, **Burckhardt Compression AG**
- 15:15** *AI-Powered Condition Monitoring of Water Electrolysis in Real-Time*
Dr. Helmut Lademann, Managing Director, **R2**

15:30 *Utilizing Liquid Hydrogen for Global Decarbonization, from Industry to Maritime Mobility*

Erwan Bruneau, Product Manager Europe – Hydrogen for Mobility, **Air Product**

Global Updates

15:45 *Overview of the Hydrogen Strategy and Technology in Japan*
Session moderated by Jetro Japan

Welcome Speech

Eric van Kooij, Counsellor, Science, Technology & Innovation, **Embassy of the Kingdom of the Netherlands in Japan**

Presentations

Eiji Ohira, Strategy Architect, Fuel Cell and Hydrogen Technology Office, Smart Community and Energy Systems Dept., **New Energy and Industrial Technology Development Organization (NEDO)**

Yoshimasa Kato, Manager, Hydrogen Strategy Division, **Kawasaki Heavy Industries, Ltd.**

Chiyoda's LOHC-MCH: Proven and Ready for Commercial Projects

Shunsuke Kato, Lead Business Developer, **Chiyoda Corporation Netherlands B.V.**

Stephan Maufroy, Technical Manager, **DENSO Europe**

Asahi Kasei's Electrolyzer for Hydrogen Production

Tomoyuki Ishikawa, Senior Manager, Green Solution Project, **Asahi Kasei Europe GmbH**

AGC & Hydrogen

Masahiro Ohkura, Technical Marketing Manager, **AGC Chemicals Europe**

ENEOS's Initiatives for the Realization of Hydrogen Society

Yoshinari Hiki, Deputy General Manager - Hydrogen Business Development, **ENEOS**

Glenn Pieters, General Manager (Head of) H2 Business and Value Chain, **Toyota**

Building an Integrated - Digital - Future Energy System

Patrick Kools, Decarbonization Practice Lead, **KBC (A Yokogawa Company)**

Latest Development of Safety Relief Valves for LH2 Carriers

Futa Ito, Deputy Manager, Global Marketing Group, **FUKUI SEISAKUSHO CO., LTD.**

17:15 *Spotlight on Danish Hydrogen Developments*

Moderated by:

Maja Østergaard, Head of Partnerships, **State of Green**

Presentations:

Brian Daugbjerg Nielsen, Key Account Director, **KK Wind Solutions**

Eva Ravn Nielsen, Global Advisor – Hydrogen & Power-to-X, **Ramboll**

Padmanabhan (Padhu) Kailasam, Vice President, Head of Electrification & System Drives,
Danfoss

Dr. Gunnar Rohde, Senior Specialist, **Danish Technological Institute**

Henrik Nybo Lomholt, Green Fuel Project Manager & Market Developer, **NIRAS**

17:45 *The Missing Piece in the Global Hydrogen Puzzle*

Koos-Jan van Brouwershaven, CEO, **H2FUEL**

End of Day 1 Monday 13th May – INSIGHTS Stage

H2 TECH INSIGHTS

DAY 2 – Tuesday 14th May 2024

10:00 *The Invisible Threat: Navigating the Safety Risks of the Global Hydrogen Economy*
Steve J Elliott, Senior Director – Process Safety, **Schneider Electric / Process Automation**

Decarbonization

10:15 *Using the Latest Science to Maximize Hydrogen's Decarbonization Potential*
Sofia Esquivel Elizondo, Low-carbon Energy Scientist, **Environmental Defense Fund**
Beth Trask, Vice President, Global Energy Transition, **Environmental Defense Fund**

Electrolysis Technologies

10:30 *Responsible Manufacturing of PEM Membranes to Advance the Hydrogen Economy*
Jan Lenders, Application Development Manager, **Chemours**

10:45 *Porous Metal Architectures for Tomorrow's Energy Landscape*
Alex Papandrew, Sr. Program Manager - Clean Energy, **Mott Corporation**

11:00 *Electrolysis Without Membranes – How and Why?*
Jon Duffy, CEO, **Clean Power Hydrogen Group Ltd**

Americas

11:15 *Belledune: Connecting Europe with Canadian Green Hydrogen*
Denis Caron, President and CEO, **Belledune Port Authority**
Rishi Jain, Managing Director, Business Development and Partner, **Cross River Infrastructure Partners**
Moderated by:
Deborah Nobes, Consultant, **Belledune Port Authority** | CEO, **Violet Consulting**

11:45 *Green Hydrogen Opportunities in Newfoundland and Labrador*
Honourable Andrew Parsons, KC, Minister of Industry, Energy and Technology,
Government of Newfoundland and Labrador

12:00 **Spotlight: Canada – World Energy GH2**

12:15 *Hydrogen Horizons: Navigating Current Realities, Exploring Future Frontiers in Brazil*
Spotlight: Brazil

13:15 *Building a Better Hydrogen Value Chain*
Matthew Manning, Advisor, Office of International Market Development, **U.S. Department of Energy**

Scaling up Hydrogen Production

- 13:30** *Automation Concepts from Control to Field Level to Simplify and Upscale Electrolysers*
Joachim Brosch, Global Key Account Manager Process Industries, focus on Hydrogen, **Festo SE & Co. KG**
Anja Türüdü, Business Development Processautomation South Europe & MENA, H2 Driver EMEA, **Festo SE & Co. KG**
- 13:45** *Net Zero Industries: How to Master the Hydrogen Offtake Challenge?*
Bastian Knoors, Director Energy Transition, **Royal HaskoningDHV**
Nienke Jorna, Consultant Energy Systems, **Royal HaskoningDHV**
- 14:00** *Green H2 – Project Challenges and Opportunities*

Dr. Jens Dickmeis, Senior Business Developer, **Vattenfall**
- 14:15** **Spotlight: Canada – World Energy GH2**
- 14:30** *Daures Green Hydrogen Village - Another Success Story made in Namibia*
Markus Groissböck, Project Manager Energy Economics / Hydrogen, **Fichtner GmbH & Co. KG**
- 14:45** *ANDRITZ a Leading Global P2X Solution Provider for Green Hydrogen and Renewable Fuels Production*
Sami Pelkonen, EVP Green Hydrogen; Renewable Fuels and P2X, **Andritz**
- 15:00** *Microgrid and DC Power Coupled Hydrogen Plant*
Dino Ablakovic, Director, Microgrid Solutions, **GE Vernova**
- 15:15** *Modular Solutions for Hydrogen Efficiency and Safety*
Guido König, Head of Focus Industries Management | Segment Manager for Sustainable Industries, **SAMSON AG**
- 15:30** *Powering our Economy and the World with Clean Energy*
Traci Simmons, CEO, **Opportunities New Brunswick**
Jeff Hoyt, Assistant Deputy Minister of Energy and Mineral Development, **New Brunswick Department of Natural Resources and Energy Development**
- 15:45** *EverWind Fuels - North America's Most Advanced Green Hydrogen Project*
Matthew Tinari, Chief Financial Officer and Chief Strategy Officer, **EverWind Fuels**
- 16:30** *Comparative Insights into Low and High Temperature Ammonia Cracking Catalysts*
Jebin James, Development Lead Process Technology, **Duiker Clean Technologies**

16:45 Tim Hard, SVP Energy Transition, Argus

End of Day 2 Tuesday 14th May - INSIGHTS Stage

GET IN TOUCH WITH THE TEAM:



Chris Hugall

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INNOVATIVE PRACTICAL APPLICATIONS OF HYDROGEN

H2 TECH INNOVATION

DAY 1 – Monday 13th May 2024

10:00 *Partnering Competitors to Enable the Hydrogen Economy*



**Women in Green
Hydrogen**

Moderator:

Dr Gokce Mete, Senior Partnership Manager, **Vattenfall**

Panellists:

Samira Barakat, VP Partnership and Business Transformation, **Vattenfall**

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

Mary-Rose de Valladares, Non-Executive Director, **ATOME Energy PLC**

Vibeke Rasmussen, SVP Product Management & Certification, **Yara Clean Ammonia**

10:45 *Careers Combatting Climate Change: Challenges and Opportunities in the Hydrogen Sector*

Panel led by: BOSS Energy Consulting

Moderator:

Rob Arthur, Director of Partnerships, **Sustainable Energy Council**

Panellists:

Alicia Eastman, Co-founder & Board Director, **InterContinental Energy**

Dr Fatemeh Rezazadeh, Group Vice President - Hydrogen and Renewables, **Varo Energy**

Michael Johnson, Founder and MD, **BOSS Energy Consulting**

Hydrogen Industrial Applications

11:15 *Process Considerations for Hydrogen Liquefaction Systems*

Jeff Odell, Senior Process / Systems Engineer, **Nikkiso Cryogenic Process Systems**

11:30 *How to Keep your Hydrogen Product Process at the Right Temperature. All the Time, All the Way*

Shaimaa Obaid, Head of Marketing Product Management for Industrial Heat-Tracing EMEA Region, **nVent RAYCHEM**

11:45 *Elastomer Sealing for Hydrogen Applications*

Raffaella Villa, Business Development Engineer for Compounding, **MCM, Angst+Pfister Group**

Hydrogen Mobility Applications

12:00 **Spotlight: Canada – World Energy GH2**

12:30 *Considerations for Selecting Hydrogen Compression Equipment*

David Gordon, Global Product Manager, **Haskel**

12:45 **bp**

13:00 *Hydrogen Mobility and Transportation Solutions for the Future*

Mark Lawday, Vice President and General Manager, **Luxfer Gas Cylinders Europe**

Hydrogen for Power

13:15 *Net-Zero Backup Power for Green Ammonia Hubs*

Saidi Abdessamad, Senior Business Development Manager, **INNIO Jenbacher GmbH & Co OG**

13:30 *Modular Hydrogen Refuelling Stations*

Rob Castien, CEO, **Resato Hydrogen Technology**

13:45 *Full Hydrogen Retrofit Solutions for Existing Gas Turbine Heat and Power Plants*

Peter Stuttaford, CEO, **Thomassen Energy B.V.**

Hydrogen Storage, Transportation and Distribution

14:00 *Beyond Batteries - Long Duration Energy Storage Utilizing Hydrogen*

Harald Uilleberg, Project Manager, **TechnipFMC - New Energy**

14:15 *Salt Caverns as Large-Scale Strategic Hydrogen Storage*

Dennis Bauer, Sales & Product Manager H2 Production and Refuelling,
NEUMAN & ESSER Deutschland GmbH & Co. KG

14:30 *Why is Modeling Essential for Hydrogen Storage and Technologies?*

Ruud Börger, Managing Director, **COMSOL**

14:45 *Hydrogen Storage: What does it Take to Make it Happen?*

Marco Papa, Vice President, Energy Storage, **Uniper**

15:00 *High Pressure Modular Storage Solution for HRS*

Alice Orsi, Sales Manager H2 – Energy Storage, **Faber Cylinders**

15:15 *Grill my Boss! Hot Questions on our LOHC-MCH Answered*

Osamu Ikeda, Managing Director, **Chiyoda Corporation Netherlands B.V.**
Sara Milesi, General Manager, **Chiyoda Corporation Netherlands B.V.**

15:30 *Green Ammonia – New Technologies for Production and Application*
Malte Semmel, Head of Group Synthesis Products: Separation and Production Technologies, **Fraunhofer Institute for Solar Energy Systems ISE**
Florian Rümmele, Head of Group Synthesis Products: Application & Characterisation, **Fraunhofer Institute for Solar Energy Systems ISE**

15:45 *Norway Enabling Low Carbon and Renewable Hydrogen Value Chains (60 mins)*

Keynote Speaker:

Astrid Bergmaal, State Secretary, **Ministry of Energy, Norway**

Panellists:

Henrik Solgaard Andersen, VP Global Hydrogen, **Equinor**

Vibeke Rasmussen, SVP Product Management & Certification, **Yara Clean Ammonia**

Bjørgulf Haukelidsæter Eidesen, CEO, **Horisont Energi**

Hydrogen Infrastructure

16:45 *Novel Sorption Enhanced Reforming for Low Carbon Hydrogen Production*
Sandeep Verma, Technical Advisor, **SLB New Energy**

17:00 *How Research and Technology Infrastructures can Support the Transition to a Hydrogen Society*
Dr. Jonas Okkels Birk, Senior Consultant, **Danish Technological Institute**

17:15 **Spotlight: Canada**

17:30 *Game-Changing Tech: Sunlight Direct to Hydrogen*
Chris Simuro, CEO, **BoMax Hydrogen, LLC**

17:45 *Technologies and Methodologies to Accelerate the Hydrogen Economy*
Luca Pilenga, Hydrogen Market Development and PMO Leader, **Baker Hughes, Climate Technology Solutions**
Marco Baldini, H2 Solution Architect Gas Turbines & Systems, **Baker Hughes, Climate Technology Solutions**

End of Day 1 Monday 13th May – INNOVATION Stage

H2 TECH INNOVATION

DAY 2 – Tuesday 14th May 2024

Hydrogen Mobility Applications

10:00 *Hydrogen in Offroad Applications*

Henrik Weitze, Mechanical Engineer - International Projects, **Liebherr**

Gerhard Keinprecht, Development Engineer / Advanced Development and Power Train, Wheel loader, **Liebherr**

Hydrogen Storage

10:30 *THera™ SEAL: the Next Gen Sealing Solution for High Pressure Gaseous Hydrogen Storage*

Maurizio Bellingardi, Senior Product Manager Hydrogen Technology – Industrial Application, **Tenaris**

10:45 *Opening up the Hydrogen Supply Chain through Assurance*

Leanne Halliday, Territory Manager and Global Hydrogen SME, **LRQA**

11:00 *Innovative Solutions: Marine Loading Arms Redefining Liquid Hydrogen Transfer to Ships*

Volker Stoetzel, Head of Design and Engineering, **SVT GmbH**

11:15 *From Single-stack to Multi-stack, Modular Electrolyser Systems*

Troels Boysen, Senior Sales Manager, Scale project, **Green Hydrogen Systems**

APAC

11:30 **Spotlight: Australia**

Session led by:



AUSTRALIA

Moderator:

Anna Freeman, Policy Director, Decarbonisation, **Clean Energy Council**

Panellists:

Dr. Jehan Kanga, CEO, **Rux Energy**

Dr. Steven Percy, CEO, **Vireo Energy**

Dr. Patrick Hartley, Leader, CSIRO Hydrogen Industry Mission, **CSIRO**

Cameron Smith, CEO, **Fortescue Hydrogen Systems**

12:15 **Spotlight: Queensland / APAC**

12:30 *Clean H2 Imports: the Key to Unlock EU's Local Production?*
Peter Daemen, VP Consulting, **Power2X**

12:45 **Schneider Electric**

13:00 **Namibia Green Hydrogen Programme (NGH2P)**

13:15 *Future-proofing the Clean Energy Supply Chain*
Maria Cristina Baroudi, Matter Expert in Cleantech | *Duke University Class of May '23 | Graduate with Distinction | B.S.E. Mechanical Eng. | Finance MN | Materials Science Cert.*

13:30 *HYVIA & Renault Group Nederland : at the Forefront of Hydrogen Mobility*
Nicolas Champetier, Chief Executive Officer, **HYVIA**
Anouk Poelmann, Country Director, **Renault Group Nederland**

Technology in Action/Projects Deployed

14:00 *Practical Applications of Liquid Hydrogen in Decarbonising Heavy Industry*
Christopher Boyle, Co-Founder and Chairman, **Fabrum**.

14:15 *New Technology in a Lean Execution Model*
Hugo Houben, Project Director, **Fluor**
Joris Blom, Project Engineering Manager, **Fluor**

14:30 *Hydrogen Opportunities in Nova Scotia, Canada*
Toby Balch, Director, Business Investment & Export Development, **Nova Scotia**
Department of Natural Resources & Renewables

14:45 *Bear Head Energy: One of North America's Fully Permitted Green Hydrogen and Ammonia Projects*
Paul MacLean, Managing Director, **Bear Head Energy**

15:00 *EverWind Fuels- North America's Most Advanced Green Fuels Project*
Matthew Tinari, Chief Financial Officer and Chief Strategy Officer, **EverWind Fuels**

15:15 *Enabling a Green Hydrogen Ecosystem in Atlantic Canada*
Alisdair McLean, Executive Director, **Net Zero Atlantic**

15:30 *International Power-to-X Hubs - Insights into Global Production and Supply Costs of Green Hydrogen and Derivatives*
Christoph Hank, Team Lead Techno-Economic and Environmental Assessment of Sustainable Synthesis Products, **Fraunhofer Institute for Solar Energy Systems ISE**

Marius Holst, Project Manager Hydrogen Infrastructure and Technical System Analysis (HTS), **Fraunhofer Institute for Solar Energy Systems ISE**

15:45 *Vonk*

Bart de Vries, Business Development & Sales Manager, **Vonk**

16:00 *RH2INE Presents: Scaling up Containerised H2 Solutions in Inland Waterway Transport*

Klaas van Staalduine, RH2INE Network Leader, **Province Zuid-Holland**

Marjon Castelijns, Project Lead, **CONDOR H2**

16:15 *Case Study: Address the Challenges of Off-Grid Hydrogen Production by Energy Control System*

YE Yong, VP of Sales, **Green Power Co., Ltd.**

16:30 *SwitchH2 H2/NH3 FPSO*

Bob Rietveldt, Director, **SwitchH2**

16:45 **Hold**

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