



11-12 June 2024

**RONALD REAGAN INTERNATIONAL TRADE
CENTER**

WASHINGTON D.C.

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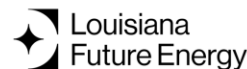


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H2 TECH SERIES

DAY 1 – Tuesday 11th June

Hydrogen Production Technologies

- 10:45** *Creating Clean Hydrogen Ecosystems: An Overview of U.S. Policy*
Matthew Manning, Senior Advisor, Office of International Market Development,
U.S. Department of Energy
- 11:00** *Green Hydrogen Business Cases: An Electrolyzer OEM's Perspective*
Steve Szymanski, Vice President of Sales and Marketing – Americas, **Nel Hydrogen**
- 11:15** *Scaling Up: Advancing PEM Electrolysis for Industrial Viability*
Will Palmer, Applications Engineer, **Hystar**
- 11:30** *Driving Down the Cost of Green Hydrogen Facilities*
Joe Grochmal P.E., Director of Engineering for Hydrogen, **Kiewit**
- 11:45** *Green Hydrogen Rectifier Solution Discussion*
David He, CEO, **Hubei Green Power Co., Ltd**
- 12:00** *Scaling Up H2 Electrolyzer Technology to Create a Sustainable Future*
Isabel Castro, Electrolyzer Marketing Director – Americas, **Accelera by Cummins**
- 12:15** *Industrialization of PEM Electrolyzer Stacks - The Enabler of your Hydrogen Production Strategy!*
Dr. Martin Hering, Senior Business Development Manager, **Robert Bosch LLC**
- 12:30** *Commercial Green Hydrogen Production: From Small to Large Scale Production*
Matthias Holtmann, Senior Technical Project Manager, **RWE**
- 12:45** *Accelerating Development of Industrial-Scale Green Molecule Projects*
Seth Sakamoto, Director of Accounts, **Electric Hydrogen**
- 13:00** *AI-Powered Condition Monitoring of Water Electrolysis in Real-Time*
Dr. Helmut Lademann, **R2**
- 13:15** *Ortho-Para Catalyst for Hydrogen Liquefaction*
Danny Beissinger, Green Energy Business Development Manager, **Molecular Products**
- 13:30** *Empowering Industries with Cost-Effective Green Hydrogen*
Deepak Bawa, CEO, **Splitwaters**

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13:45 *Sunlight Direct to Hydrogen*
Chris Simuro, CEO, BoMax Hydrogen, LLC
Dr. Deborah Maxwell, Chief Science Officer, BoMax Hydrogen, LLC

Hydrogen Industrial Applications

14:00 *Large Scale Clean Energy for Steel Decarbonization*
Pravin C. Mathur, Ph.D, Executive Director – Global Clean Energy | Global Key Accounts – Steel, Linde

14:15 *Efficiencies in Thermal Transfer and Responsive Temperature Control*
Matt Queen, Vice President of Sales, Huber USA

14:30 *Issues and Considerations for Sealing Hydrogen*
Stephen Bond PhD FRSC, Vice President of R&D, Flexitallic
interviewed by Alex Lattimer, New Energy Business Development Director, Flexitallic

14:45 *Celadyne Dura Enabled Membranes to Unlock Hydrogen*
Gary Ong, CEO, Celadyne Technologies, Inc.

15:00 *PEM Fuel Cell for Marine and Heavy-Duty Applications*
Hans-Peter Klein, Chief Operating Officer, Teco 2030 AS

15:15 *How a Pioneer in Motion is Driving Innovation in Hydrogen and Fuel Cell Commercialization*
Jeff Hemphill, CTO, Schaeffler Americas

15:30 *Distributed Methane Pyrolysis: How and Why to Make Better Use of Carbon*
Mack Hopen, Sr. Manager of Commercialization, Modern Hydrogen

Hydrogen Infrastructure

15:45 *Cutting-edge Sensors: Innovations in Hydrogen Emissions Detection and Measurement*

Moderator:

Morgan Rote, Director of U.S. Climate, Environmental Defense Fund

Panelists:

Christine Watson, Technology Manager – Hydrogen and Fuel Cell Technologies Office, U.S. Department of Energy

David Pearman, Research Engineer, Element One

Scott Herndon, Principal Scientist, Aerodyne

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16:30 *Manufacturing and Hydrogen*

Tom White, Chemical Engineer, **Re:Build Manufacturing**

16:45 *Keep your ion the Prize: Unlocking the Hydrogen Export Market through Derivatives*

Dr. Cynthia Pierre Threatte, Portfolio Manager, Hydrogen Vectors, **bp**

17:00 *Supplemental Resource Availability for Hydrogen: Carbon Management, Water, and Workforce*

Eugene Holubnyak, Director of Hydrogen Energy Research Center, **University of Wyoming**

17:15 *INNOVATE UK Global Business Innovation Programme (GBIP) HYDROGEN, USA*

Moderator:

Dr Dilruk Yahathugoda, Project Manager – Global Programmes, **Innovate UK**

Pitches:

Alistair Gemmell, CEO, **GeoPura Ltd**

Andrea Trevisan, Head of Sales, **Intelligent Energy Ltd**

Nick Van Dijk, CEO, **Oort Energy Ltd**

Matt Candy, CEO, **Steamology Motion Ltd**

Ekam Sandhu, Scientist, **Wild Hydrogen Ltd**

Mel Courtney, Chief Strategic Partnerships Officer, **Catagen Ltd**

Tom Knight, CEO, **Bohr Limited**

Steven Lua, CEO, **Unitrove Innovation Ltd**

Caroline Mantoura, Director, **HiiROC Ltd**

Victor Vorsatz, Strategy Associate, **Protium Green Solutions Ltd**

Chetan Laddha, CEO, **Biofoundry Energy Ltd**

Mohammed Bangi, Staff Engineer, **BPP Technical Services Ltd**

Koji Muto, CEO, **Ki Hydrogen Ltd**

18:00 **End of H2 Tech Series Day 1**

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H2 TECH SERIES

DAY 2 – Wednesday 12th June

Hydrogen Project Updates

- 10:00** *Idea – Strategy – Realization: CI and Key Project Development Considerations*
Lori Carter, Senior Principal, **Geosyntec Consultants, Inc.**
Eric Amundsen, Senior Energy Transition Consultant, **Geosyntec Consultants, Inc.**
- 10:15** *The Crucial Role of Pre-Feasibility and Feasibility Studies*
Daniel González, Global Technical Lead for Hydrogen, **Bureau Veritas**
- 10:30** *Powering GigaWatt Size Green Hydrogen Facilities - Economies of Scale*
Akshitha Manivannan, Sales Specialist – High Power Rectifiers, **ABB Inc.**
- 10:45** **Nikolaj Knudsen**, Head of Business Development, **Topsoe, Power-to-X**
- 11:00** *Driving the Energy Transition: The Role of H-TEC SYSTEMS, a Volkswagen Subsidiary, in Leading the Green Hydrogen Movement*
Jonas Wahl, VP Product & Operations, **H-TEC SYSTEMS**
- 11:15** *UK Hydrogen Research Hub: Hydrogen Integration for Accelerated Energy Transitions (HI-ACT)*
Salman Farrukh, Post-doctoral Researcher, **University of Birmingham**
- 11:30** **Tim Hard**, SVP Energy Transition, **Argus**
- 11:45** *Accelerating Green Hydrogen Production with Advanced Membrane Design*
Laura Geiman, Business Development North America, **W. L. Gore & Associates**

Global Collaboration

- 12:15** *The Importance of Technology Neutrality in Hydrogen Policy*
Haley Armstrong, Partner, **AJW, Inc.**

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12:30 *Global Hydrogen Supply Chain: Potential to Collaborate with the Americas*
Panel discussion hosted by **NEDO**

Moderator:

Hidehiko Saka, Director, Fuel Cell and Hydrogen Technology Office | Smart Community and Energy Systems Department,
New Energy and Industrial Technology Development Organization (NEDO)

Panelists:

Toshihiko AWANO, Ph.D., General Manager for Technical | Domestic Value Chain Group | Ammonia Value Chain Project Department | Business Development Division,
IHI Corporation

Kojiro Nakagawa, Ph.D., Group Manager | Hydrogen Supply Chain Planning Group | Hydrogen Business Department, **ENEOS Corporation**

Taku Hasegawa, Manager | Hydrogen Strategy Division, **Kawasaki Heavy Industries, Ltd.**

13:15 *H2FCP - California's National Mobility Strategy*
Bill Elrick, Executive Director, **Hydrogen Fuel Cell Partnership**

13:30 *Tapping into the Low Carbon Potential from Low Carbon Intensity Gas and Energy under 45V*
Randy Lack, President, New Business, **Anew Climate, LLC**

13:45 **Ben Thomas**, Director, Hydrogen Production, **Mitsubishi Power**

Industry Innovation

14:00 *Hydrogen & RNG: Opportunities and Challenges for reaching Net Zero*
Brian Foody, CEO, **logen Corporation**

14:15 *Carbon Fiber: Enabling Technology for Transport of Hydrogen through Composite Overwrapped Pressure Vessels (COPVs)*
Chet Moon, Director of Technical Services, **Toray Group**

14:30 *Modeling and Simulation Benefits Hydrogen Technology R&D*
Toochukwu ("Toochi") Onwuliri, Technical Account Manager, **COMSOL**

14:45 *Introduction of Mechanical Stress/Strain Measurement Technology for Structural Fatigue Analysis in Hydrogen Environment*
Takahiro James Hara, Sales Engineer, **Kyowa Americas Inc.**

15:00 *Scaling US Hydrogen Innovation: thyssenkrupp nucera's Path to Peak Performance*

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Eric Lavoisier Salcedo, Senior Sales and Business Development Manager, **thyssenkrupp nucera**

15:15 *Novel Sorption Enhanced Reforming for Low Carbon Hydrogen Production*
Tim Rembold, Vice President – Petrochemicals, **SLB**

15:30 *Driving Hydrogen Demand with Innovation*

Session led by:



Moderator:

Kristine Wiley, Vice President, Low Carbon Energy Solutions, **GTI Energy**

Panelists:

Melanie Bergier, Vice President, Strategy, Sustainability and Transformation, **Airbus Americas, Inc.**

Somali Tomczak, Director Customer Solutions, **Nicor Gas**

Jennifer States, Director of Ports, **Momentum; and Blue Sky Maritime Coalition**

Rachel Starr, U.S. Policy Manager, Zero-Carbon Fuels and Transportation Decarbonization, **Clean Air Task Force**

16:15 **Roxana Bekemohammadi**, Founder and Executive Director, **United States Hydrogen Alliance (USHA)**

16:30 *Sensus; a Xylem Brand*

Estelle Feider-Blazer, Product Manager Renewable Energy and Smart Gas Solutions, **Sensus a Xylem Brand**

16:45 *HydrogenHive: the Global Platform for Hydrogen Education and Connectivity*

Sashe Annett, CEO, **HydrogenHive**

Rushab Shah, Founder and CEO, **OneHive**

17:00 **End of H2 Tech Series**

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CONTACT OUR TEAM TO DISCUSS YOUR PARTICIPATION



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



Gurpreet Hayre
Event Director
Sustainable Energy Council
+44 20 7978 0034



Craig Simpson
Government Relations & Speaker Manager
Sustainable Energy Council
+44 20 7978 0068

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