

# NEW TECH, HYDROGEN & CCUS SUMMIT 2024



# EVENT OVERVIEW

Part two of Inspiratiata's Energy Transition Series is going to Germany! The New Tech, Hydrogen & CCUS Summit is coming to Berlin on 28<sup>th</sup> of February for the first time ever!

Plenty of buzz is surrounding technologies such as hydrogen and CCUS with many advancements taking place in Europe. Like similar upcoming technologies within the energy transition, mystery and uncertainty surrounds its bankable future.

The New Tech, Hydrogen & CCUS Summit will help decipher the latest technologies emerging in this sector along with discovering the actual steps being taken to allow these asset classes to reach maturity.

Expect to explore crucial topics such as regulations, how to make the hydrogen business case, unveiling the future of offtakers, tackling power-to-x along with much more!

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## WHO CAN YOU MEET?

With a networking first designed agenda, we're bringing over 180+ leading European hydrogen playmakers including: institutional investors, developers, utilities, project sponsors, lenders, government representatives, lawyers, off takers and many more.



# AGENDA

8:15

REGISTRATION OPENS

9:00

WELCOME REMARKS

Oliver Carr, Lead Analyst, **Inspiratia**

9:10

## Making the business case for investing in hydrogen

- What will the learning curve look like for funds, financiers, and developers? How can debt financing be introduced?
- What sorts of financial instruments need to be deployed to guarantee the success of this emerging asset class?
- Which markets have the best business models to get hydrogen projects off the ground?
- Are the efforts to keep investor interest in the EU and UK enough to keep investors from turning to the US market?
- Is there room in the hydrogen market for new entrants?
- With power prices still being higher in Europe than in other regions, do additional mechanisms need to be implemented at a country level to support local production?

**Samuel Simon**, Director, Energy & Infrastructure Advisory, **JLL**

**Marina Villalante**, Green H2 Market & Regulation Manager, **FRV-X**

**Bilal Ahmad**, Senior Investment Associate – Energy Transition, **Octopus Energy Generation**

**Moderator: Robert Todd**, Managing Director - Energy, Infrastructure and Transition Group, **CIBC**

10:00

## Identifying the offtake: Reputation, decarbonisation, and geo-political necessity

- How can industrial players be incentivised to invest now as a safeguard for development?
- Will storage make projects more appealing from a bankability perspective?
- At what price and term are hydrogen offtakers willing to commit? How stable can cash flows be?
- How will the industry overcome matching supply and demand, pricing mismatch and transportation challenges from producer to customer?
- With promising starts from steel and chemical production, what other industries are prime targets for hydrogen?
- How do governments see the development of bilateral agreements – what are the next steps for those agreements to be enacted from the top down?

**Dr. David Hart**, Partner - Hydrogen and Fuel Cells, **ERM**

**Andrew Doyle**, Executive Director - Power & Renewables, Project Finance, EMEA, **MUFG**

**Alexander Voigt**, CEO, **HH2E AG**

**Brendan Murphy**, Head of Hydrogen, **LCP Delta**

**Moderator: Laura Huomo**, Partner, **Bird & Bird**

10:50

MORNING NETWORKING BREAK

11:50

## Building Certainty: Regulations

- How can players in the sector overcome the complexity of legislation in the EU and the challenges of political risk?
- With RED III (Renewable Energy Directive) now entered into law, how will governments respond?
- How should subsidised support instruments (like those being developed in Germany, the UK, Denmark, etc.) strike the right balance between complexity and simplicity?
- What measures are needed to facilitate harmonious cross-border trading relationships, both within Europe and beyond?
- What are the implications of hydrogen for domestic use? What measures are needed to comply with consumer protection, safety, and transparency in the hydrogen market?

**Antonio Bañón**, Legal Director, **Squire Patton Boggs**

**Lars Hummel**, Policy Officer, **EFuel Alliance**

**Carlos Terre**, Group Managing Director, Head of Markets and Business Development, **Scope**

**Moderator: Elsa Fucile**, Head of Production, **Inspiratia**

12:40

## NETWORKING LUNCH

14:00

### Weighing up the costs: Biogas vs. Hydrogen

- Biogas is gradually gaining attention given its compatibility with LNG and ability to be bankable now rather than later. How does this asset class measure up against hydrogen?
- Can the biogas business case help facilitate the transition into hydrogen, or are they competitors?
- How do the production costs and energy efficiency of biogas and hydrogen compare from production to end-use?
- Which is more technologically mature and scalable within the current market infrastructure?
- How do the real environmental impacts and carbon footprints of the two compare?

**Jens Schmidt**, Chief Technology Officer, **TES-H2**

**Shirley Chojnacki**, Senior Investment Director, Infrastructure and Structured Finance, **Edmond de Rothschild**

**Moderator: Rish Chandarana**, Partner, Energy & Infrastructure Advisory, **ERM**

14:50

### Clean Ammonia and its potential for the Energy and Materials transitions

Ammonia can play an important role in the energy and materials transition. But so far little is known on how to fit clean ammonia value chains in the future sustainable energy mix. There is a lack of knowledge regarding needs for investments to match future demand, how a supply chain of clean ammonia is envisioned, benefits of cracking ammonia to hydrogen technologies, and enablers for scaling-up and to have a profitable business case.

This presentation gives an overview of potential new value chains for clean ammonia as an energy and hydrogen carrier in the Netherlands, and greater ARRRA region. Clean ammonia has a serious potential to reduce CO2 emissions by the industry besides replacing traditional grey ammonia.

**Carol Xiao**, Director Business Development, **ISPT (Institute for Sustainable Process Technology)**

15:20

## AFTERNOON NETWORKING BREAK

16:10

### Hydrogen infrastructure and power-to-X

- How much commitment is needed to make gas transmission compatible with hydrogen?
- How can industry players navigate potential security of hydrogen supply issues?
- How crucial are infrastructure-focused projects like the European Hydrogen Backbone and the UK's Project Union?
- Does the focus on power-to-X widen the scope of the conversation to include alternative fuels like green ammonia, e-methanol, SAF?
- Which industries can use hydrogen molecules and their green derivatives?
- Can connections to the grid become more efficient by including power-to-X solutions? And will projects like these meaningfully contribute to short and long-term energy storage and managing grid congestion?

**Daniel Muthmann**, Vice President Business Development, **Höegh LNG**

**Christian Friebe**, Head of Public Affairs, **STOFF2**

**Catherine Gras**, Non executive Director, Board member/Supervisory Board, **Storengy Deutschland Infrastructure GmbH**

**Joseph Ciccone**, Senior Consultant, **Apricum - The Cleanech Advisory**

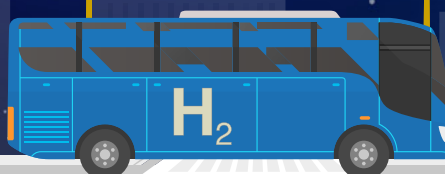
17:00

## CLOSING REMARKS

**Oliver Carr**, Lead Analyst, **Inspiratia**

17:10

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