HYDROGEN & FUEL CELLS ENERGY SUMMIT

LISBON, PORTUGAL
4-5 MARCH 2020

Platinum Partner

SMARTENERGY

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Hydrogen Europe

Ha FOUNDATION FOR THE DEVELOPMENT OF NEW HYDROGEN TECHNOLOGIES IN ARAGON

Key Topics

- Realising Hydrogen's Potential in Portugal
- The Role of Portuguese Gas Infrastructures in the Decarbonisation Process
- Import of Hydrogen: What is it about?
- Updates of Projects & Case Studies across Europe
- Developing Energy Storage Technologies to Maximise Renewable Capabilities
- Discussing Hydrogen's Role in Decarbonising Maritime & Port Operations
- Debating the Benefits & Challenges of Converting Natural Gas Networks vs Transporting Stored Hydrogen
- Exploring the Latest Hydrogen Fuel Cell Developments in Heavy Logistics & Commercial Vehicles

Agenda Committee

Jorgo Chatzimarkakis
Hydrogen Europe
Bart Biebuyck, **FCH-JU**
Franck Le Baron, **Engie Hydrogen Business Unit**
Nigel Holmes, **SHFCA**
Nuno Nascimento
Galp (GGND)
Tony Picaro,
Aramco Overseas
Stephan Herbst
Toyota Motor Europe
Søren Bjerregaard Pedersen
Hydrogen Valley
Stefan Schrank, **Alstom**

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FOR SPONSORSHIP & EXHIBITION OPPORTUNITIES: Krisztina Maria Szabo
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ACI

Hydrogen & Fuel Cells Energy Summit

Lisbon, Portugal

4th-5th March 2020

The Conference

ACI's Hydrogen & Fuel Cells Energy Summit will be taking place in Lisbon, Portugal on the 4-5th March 2020. The two day event will bring together key industry stakeholders from all facets of the hydrogen industry to discuss the required economical and infrastructural innovations for a sustainable future energy carrier. The key discussions will involve monetisation, latest technology implementations, material optimisation, production and transportation with case studies presented from across Europe.

With incredible advances recently in hydrogen it is the best time to explore this booming industry. Join us in Lisbon to discuss the latest innovations, exciting initiatives and the upcoming economic opportunities.

Confirmed Topics for Discussion

- Overview of the European Hydrogen & Fuel Cells Market
- Opportunity Analysis of Hydrogen for 2040 – Zero and Low Carbon Solutions
- Updates of Projects & Case Studies across Europe
- Developing Energy Storage Technologies to Maximise Renewable Capabilities
- Discussing Hydrogen's Role in Decarbonising Maritime & Port Operations
- Debating the Benefits & Challenges of Converting Natural Gas Networks vs Transporting Stored Hydrogen
- Exploring the Latest Hydrogen Fuel Cell Developments in Heavy Logistics & Commercial Vehicles
- Progression of Hydrogen Fuel Cell Implementation in Passenger Vehicles & Refuelling Stations

Who will be attending?

This conference invites experts and senior executives across the whole Hydrogen and fuel cells industry value chain interested in meeting potential partners, creating business opportunities and gaining knowledge on the latest advancements to aid growth in markets.

Representatives from hydrogen producers and suppliers, fuel cell companies, automotive OEMS, hydrogen storage companies, technology providers, component manufacturers & industrial end-users, financial stakeholders and investors, service providers, government officials & regulators, sustainable mobility technology and others will come to discuss perspectives & markets opportunities for the hydrogen & fuel cells industry.

Registration is simple:

If you would like to register for this event or wish to find out more information, please contact Neha Desadla using any of the following methods:

Tel: +91 (0) 7030655510
Email: ndesadla@acieu.net

Commercial & Sponsorship Opportunities

With leading companies and organisations from the industry attending and speaking at our event, we have the perfect vehicle to provide outstanding exposure to a senior level audience.

There are various sponsorship packages available, including sponsorship of a drinks reception on the first evening of the event and sponsorship of a networking lunch.

For further details, please contact:
Krisztina Maria Szabo

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Hydrogen & Fuel Cells Energy Summit

Lisbon, Portugal

4th-5th March 2020

DAY 1

Wednesday 4 March 2020

08:00 REGISTRATION & COFFEE

09:00 CHAIR'S OPENING REMARKS

09:05 SESSION ONE

Realising Green Hydrogen's Potential in Portugal

Presentation Title TBC

João Galamba
Deputy Minister and Secretary of State for Energy
Republica Portuguesa

09:25 The Role of Portuguese Gas Infrastructures in the Decarbonisation Process

- The path of decarbonisation: The Europe Vision & The Portugal Vision
- Zero carbon gases, the key to Portuguese decarbonisation

Nuno Nascimento
Head of Energy Transition, New Technologies & Communication
Galp (GGND)

09:45 Import of Hydrogen: What is it about?

- The Portuguese – Dutch opportunity: first mover advantage
- Speed matters: know your customer

Peter van Ees
Corporate Banker
Energy (Renewables)
ABN AMRO Bank N.V

10:05 Session Q&A

10:30 CONFERENCE PRESENTATION

The Role of Hydrogen in the Global Energy Transition

Paula Vieira
Director - Transportation and Alternative Fuels Division
Natural Resources Canada
Government of Canada

11:00 MORNING REFRESHMENTS

11:30 SESSION TWO

Updates of Projects & Case Studies across Europe

- Presenting the latest developments from various regions across the continent
- Exploring the economic and technological infrastructure needed to expand
- Realising a large-scale green hydrogen economy

Franck Le Baron
Senior Vice President Business Development
ENGIE Hydrogen Business Unit

Nigel Holmes
CEO
Scottish Hydrogen & Fuel Cell Association

Patrick Cnubben
LNG & Hydrogen
New Energy Coalition

Aragon's Commitment to Hydrogen Technologies

Fernando Palacín Arizón
Managing Director
Aragon Hydrogen Foundation

13:30 LUNCH

14:30 CONFERENCE PRESENTATION

Presentation Title TBC

Christian Pho Duc
Managing Director
Smartenergy Projects

15:15 **CONFERENCE PRESENTATION**

2020, The Tipping Year for the Water Electrolysis Industry: Hydrogenics' Perspective

- EU and global context for power-to-hydrogen projects
- PEM and alkaline water electrolysis solutions : upscaling, integration and cost developments
- Review of selected lighthouse projects
- The way forward to 2025

Denis Thomas
EU Regulatory Affairs Renewable Hydrogen
Hydrogenics

16:00 **AFTERNOON REFRESHMENTS**

16:30 **SESSION FOUR**

Discussing Hydrogen's Role in Decarbonising Maritime & Port Operations

- Assessing the suitability of hydrogen fuel cells for different shipping types
- Promoting a safer and more sustainable marine industry
- Overcoming operational and logistical barriers in the port domain

Presentation Title TBC

Frode Skaar
Business Development Director
Westcon Power & Automation AS

17:00 **Hydrogen Ships to Save Stockholm Archipelago**

- Clean, silent fuel cell vessels will be a sustainable solution for the world's most beautiful archipelago
- Private and public actors join their forces
- Cargo and passenger transport in a new logistic system
- Green hydrogen to be produced locally

Tage Erikson
Partner
Swedish Solar Hydrogenesis

17:30 **Session Q&A**

17:45 **CLOSE OF DAY ONE**

DAY 2

Thursday 5 March 2020

08:30 **REGISTRATION & COFFEE**

09:00 **CHAIR'S OPENING REMARKS**

Kristina Fløche Juelsgaard
Director Business Development
Ballard Europe

09:10 **ROUND TABLE DISCUSSION**

Can Net Zero Targets be met by renewables alone, and what does this mean for the focus of the H2 industry? Exploring scale-up requirements and initiatives across the following sectors:

- Transport

Kristina Fløche Juelsgaard
Director Business Development
Ballard Europe

- Heat

Alexandra Tudoroiu
Senior Policy Manager
COGEN Europe/ PACE Project

- Industry

Nigel Holmes
CEO
Scottish Hydrogen & Fuel Cell Association

- Infrastructure

Eva Hennig
Head of EU Energy Policy
Thüga

10:30 **MORNING REFRESHMENTS**

11:00 **CONFERENCE PRESENTATION**

Presentation Title TBC

Alena Fargère
Principal
SWEN Capital Partners

11:45 **SESSION FIVE**

Exploring the Latest Hydrogen Fuel Cell Developments in Heavy Logistics & Commercial Vehicles

- Discussing the practicality of decarbonising heavy logistics as a first step in the automotive sector
- Case studies of developments in public transport applications including trains & buses
- Proving the feasibility of HFC's as the primary technology in this field

Fuel Cell Technology Innovation to Deliver Business Case of FC Commercial Vehicles

Kristina Fløche Juelsgaard
Director Business Development
Ballard Europe

12:15 **Store. Transport. Refuel.**

- Collaborating with partners, customers and government agencies to overcome legislative, commercial and cultural challenges, turning a shared vision for sustainable mobility into a shared reality
- Enabling cleaner travel with hydrogen fuel integration systems for passenger vehicles and light-duty vehicles
- Providing the means to transport commuters and goods with rack-systems for commercial vehicles – including busses, trains, heavy-duty trucks and ships
- Constructing a virtual pipeline to deliver mobile fueling stations featuring Worthington hydrogen trailers to vehicle operators

Gabriela Zeilerbauer
Director European Sales– Industrial Gas & Alt Fuels Passenger Cars
Worthington Industries

Radiša Nunić
Director European Sales
Worthington Industries

12:45 **Session Q&A**

13:00 **LUNCH**

Nils Aldag (Sunfire GmbH, Hydrogen Europe Board Member) posing a question to the panel at our 2019 edition

14:00 **SESSION SIX**

Debating the Benefits & Challenges of Converting Natural Gas Networks vs Transporting Stored Hydrogen

- Assessing the feasibility of transitioning existing transmission & distribution networks
- Logistical challenges related to transporting & supplying stored hydrogen
- Comparing the technical and economic efficiency of these solutions

Andrés Perez Quiroga
Commercial Planning Manager
Reganosa

Latest Developments in Hydrogen Gas Storage with Type 4 Pressure Cylinders

- Design & Certification
- Project examples

Michael Ismar
Manager Marketing and Sales
NPROXX

15:15 **CHAIR'S CLOSING REMARKS**

Kristina Fløche Juelsgaard
Director Business Development
Ballard Europe

15:25 **END OF CONFERENCE & AFTERNOON REFRESHMENTS**

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Web: http://www.acieu.net
Addr: 10 Gough Square, London, EC4A 3DE

Registration is simple

Conference (Includes Documentation Packet) 4th & 5th March 2020	£1,695 (ex. Vat)
Documentation Packet Only	£470

Please note: Members and customers of all supporting organizations are entitled to a discount off their conference package.

For more information please call +91 (0) 7030655510

Documentation Packet Available

We are selling the Hydrogen & Fuel Cells Energy Summit papers at just £440 (+£30 P&P). Simply tick the box on the booking form, send it with payment and your copy will be on its way to you after the meeting. This important manual will be a source of invaluable reference for the future

Terms & Conditions

Payment
Payment must be received within five business days of returning the signed contract. After receiving payment a VAT receipt will be issued. If you do not receive a letter outlining details two weeks prior to the event, please contact the Conference Coordinator at ACI Europe Ltd.

Discounts are available for multiple/group bookings. Please call +91 (0) 7030655510 for more information.

Cancellations
Substitutions are welcome up to 24 hours prior to the event. Cancellations must be received in writing no less than 3 weeks prior to the start of the conference; a full credit voucher towards a future ACI conference will be issued. Any cancellation received less than 3 weeks prior to the start of the event shall be deemed to be a breach of this contract by client, and accordingly, no credits will be given. Cancellations must be received in writing by mail or fax three week before the conference. Thereafter the full conference fee is payable. If for any reason ACI Europe Ltd decides to amend, cancel or postpone this conference, the conference fee will not be refunded. Furthermore, ACI Europe Ltd will not be responsible for covering airfare, hotel or other costs incurred by registrants, in the event that ACI Europe Ltd cancel or postpone the event, ACI Europe Ltd reserves the right to transfer this booking to another conference to be held in the following twelve months, or to provide a credit of an equivalent amount to another conference within the following twelve months. The construction, validity and performance of this agreement shall be governed in all respects by the laws of England to the exclusive jurisdiction of whose courts the Parties hereby agree to submit.

Accommodation
The cost of accommodation is not included in the event fee. Preferential rates will be arranged with or near the event venue, and all confirmed delegates will be given details of how to book accommodation at this rate in due course.

About ACI

ACI, a UK owned company, has been running successful conferences in the USA since 1999. Headquartered in Chicago with offices all around the States, ACI opened its European head office at the end of 2005 and has expanded rapidly, launching a series of events in key industries including maritime, energy, oil & gas, cosmetics, chemicals & media