



and



UK HFCA

present

CCSHFC  
2022

# HYDROGEN AND FUEL CELLS: HERE AND NOW

## The 18th UK Hydrogen and Fuel Cell Conference

### PROGRAMME



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NEC, Birmingham, B40 1NT  
Free WiFi: “\_NEC Free Wifi”

#CCSHFC2022 | @ClimateCSolutio

## 08:15 Registration/Refreshments & Exhibition – Gallery Suite

### 09:00 – 10:45 Keynote Session – Concourse 1 & 2

Chair: **Celia Greaves** | CEO, UKHfCA

**Rt Hon Greg Hands MP** | Minister for State (Department for Business, Energy and Industrial Strategy)  
*Opening Address (recorded message)*

**Graham Cooley – Keynote Speaker** | CEO, ITM Power  
*The Energy Transition; a huge opportunity for the green Hydrogen industry*

**Michael Whiteley** | Head of Hydrogen Department for Transport  
*Hydrogen in the Transport Sector*

**Jim Gregory** | European Business Development Manager, Luxfer Gas Cylinders  
*New Challenges to fuelling the Hydrogen Market*

**Tom Ibbott** | Senior Manager Hydrogen Mobility, BP  
*H<sub>2</sub> in HGVs – Why integration matters*

**Ross Fairley** | Chair of Net Zero Services, Burges Salmon LLP  
*Can we Build it? Yes we can...*

## 10:45 – 11:15 Break

### 11:15 – 13:00 Parallel Workshops

#### Concourse 1 & 2 Hydrogen Production

Chair: **Michael Donnelly** | Hydrogen Senior Consultant, Gemserv

**Leighton Holyfield** | Energy Consultant, Kiwa Gastec  
*Kiwa SMR – Demonstrating Local Hydrogen Production, Distribution and Use*

**Jérémie Bertrand** | Business Development Manager, Electrolyzers Cummins  
*Lessons learnt from world's largest PEM electrolyzer and perspectives*

**Michillay Brown** | Principal Corporate Relations Hydrogen, Anglo American  
*Anglo American's role in the Global Hydrogen Economy*

**Nicolas Poblete** | Director, Pro Chile  
*Transforming Economies with Green Hydrogen, the Chilean Experience*

**Jonathan Carpenter** | VP, New Energy Services, Petrofac  
*The challenges of delivering large scale green hydrogen projects*

**Chris Jackson** | CEO and Founder, Protium Green Solutions  
*Distributed Green Hydrogen – unlocking the UK's pathway to a net zero future*

#### Gallery 2 & 3 Hydrogen Infrastructure and Refueling

Chair: **Steffan Eldred** | Knowledge Transfer Manager, Energy & Infrastructure, KTN

**Lee Juby** | Hydrogen Business Development and Commercial Leader, NanoSUN  
*Rapid to deploy hydrogen vehicle refueling: solving the chicken and egg dilemma*

**Ola Engehagen** | Marketing and Sales Director, UMOE Advanced Composites  
*Plug & Play modules for Storage and Transport of compressed H<sub>2</sub>*

#### Joint Presentation:

**Richard Brown** | Hydrogen Market and Product Manager, Ingersoll Rand

+ **Jake Martin** | European Hydrogen Business Development, Manager, Haskel  
*The evolution of hydrogen refueling – experience to date and developing next generation technology*

**Frank Ashton** | Head of Strategy and Commercial Development, Chesterfield Special Cylinders  
*The long future of steel cylinders for Hydrogen Storage*

**Prof. Robert Steinberger-Wilckens** | Chair, Fuel Cell and Hydrogen Research, University of Birmingham  
*Hydrogen-based fuels for long distance transport*

**Beth Dawson** | Major Projects Manager, Fuel Cell Systems  
*Planes, trains and automobiles – fuelling the future, now*

## 13:00 – 14:00 Lunch

### 14:00 – 15:30 Parallel Workshops

#### Concourse 1 & 2 Hydrogen for Transport

Chair: **Nigel Holmes** | CEO, SHFCA

**Amanda Lyne** | Managing Director, ULEMCo  
*Hydrogen Powertrains for Specialist Vehicles – how range extension enables 'horses for courses'*

**Sean Crespin** | Strategic Marketing Head for Hydrogen & Fuel Cell Business, HORIBA UK  
*Hydrogen quality through to development of Fuel Cell Trucks for the UK roads – How HORIBA are Providing Solutions for Tomorrow's Challenges*

**Paul Turner** | Managing Director, CMB Tech  
*Delivering Hydrogen Applications: A Progressive Approach*

**Ralph Clague** | Chief Development Officer, Nuvera Fuel Cells  
*Fuel Cell Electrification for Trucks and Buses: What Matters*

**Arnab Chatterjee** | VP, Infrastructure, ZeroAvia  
*Hydrogen in Aviation: Opportunities and Challenges in the Airport Environment*

**Mike Muldoon** | Head of Business Development UK & Ireland, Alstom  
*Hydrogen Trains – Here? Now?*

**Pratap Rama** | Group Leader, Hydrogen Powertrain, Jaguar Land Rover  
*Project ZEUS: The Prototype Hydrogen FCEV based on the Land Rover Defender*

#### Gallery 2 & 3 Hydrogen for Heat and Power

Chair: **Prof. Martin Freer** | Birmingham Energy Institute, University of Birmingham

**Angela Needle** | Director of Strategy, Cadent  
*Getting ready for hydrogen, how gas networks are preparing for the hydrogen economy*

**Faye McAnulla** | Programme Director, Energy Research Accelerator  
*Introducing our regional hydrogen support programme, HyDEX*

**Jon Harman** | Technology Director, Ceres Power  
*Ceres Solid Oxide Cell Technology: the bridge between Hydrogen, Heat and Power*

**Sebastian Budischin** | VP, Head of Venture Building and Strategy, Stationary Solid Oxide Fuel Cells, BOSCH  
*Energy-efficient, decentralized, H<sub>2</sub>-ready – fuel cell systems by Bosch*

**Bill Ireland** | CEO, Logan Energy  
*A Hydrogen economy doesn't work if you have a siloed approach - experiences from delivering integrated systems*

**Neil Filkin** | Technical Director, Conrad Energy  
*The critical role of hydrogen in keeping the lights on*

## 15:30 – 16:00 Break

### 16:00 – 17:15 Hydrogen Production - Gallery 2 & 3

Chair: **Dr Michaela Kendall** | Co founder and CEO, Adelan

**Grant Strem** | Chairman and CEO, Proton Technologies Canada  
*Lowest Cost Hydrogen at Negative Carbon Intensity*

**Laura Finney** | Innovation Lead, Energy Innovate UK  
*Supporting innovation in hydrogen*

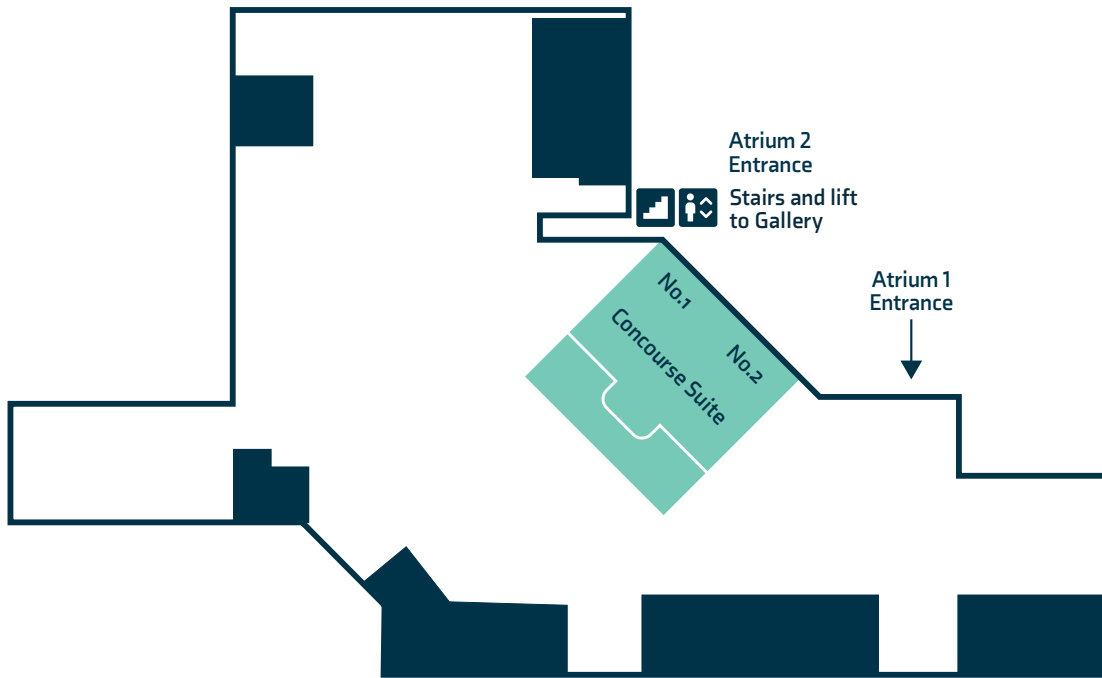
**Steve Jones** | Senior Vice President, Bayotech  
*Renewable Natural Gas and its Role in Hydrogen Production*

**Diana Raine** | Hydrogen Advisor, Worley  
*How to reduce hydrogen project costs through standardization*

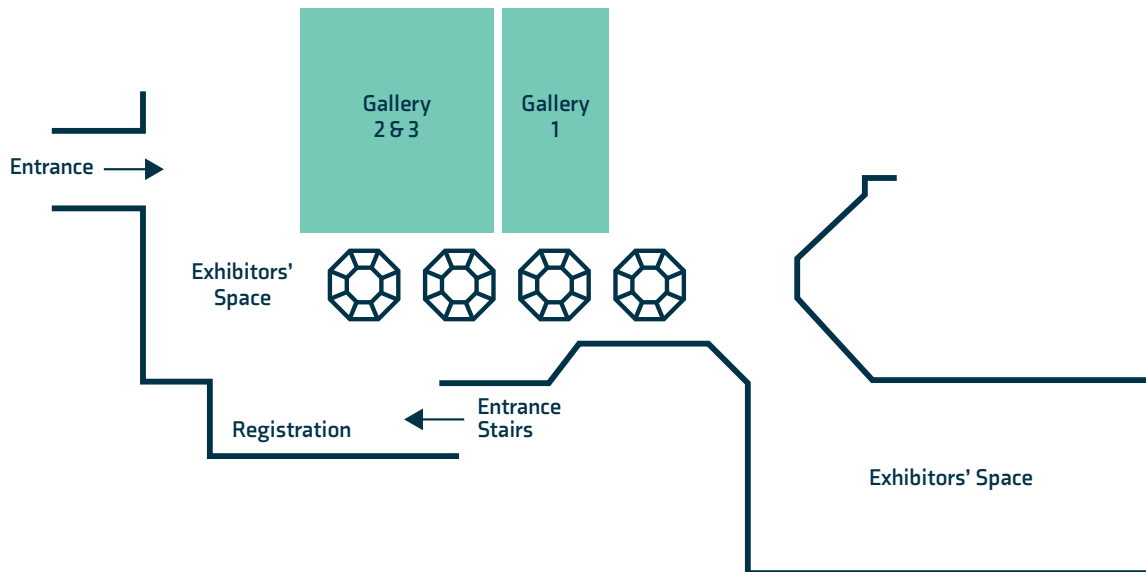
**Jon Duffy** | CEO, Clean Power Hydrogen  
*Green Hydrogen Production – Why membrane-free?*

## 17:15 – 19:00 Drinks Reception – Gallery Suite

## Concourse Area:



## Upstairs - Gallery Area:



### Conference Organiser:

#### Climate Change Solutions

The TechnoCentre, Coventry University Technology Park, Puma Way, Coventry, CV1 2TT  
[www.climate-change-solutions.co.uk](http://www.climate-change-solutions.co.uk)

Climate Change Solutions (CCS) was set up to encourage the move to a low carbon future. CCS has been particularly involved with the Hydrogen and Fuel Cell industry, promoting this technology for over 18 years to encourage its use in buildings, transport and energy storage.