PRODUCED BY HYDROGEN IRELAND & CLEAN HYDROGEN PARTNERSHIP

H_2 SUMMIT 2026

18-19 November 2026
Fota Island Resort, Cork

Hydrogen Ireland

Clean Hydrogen Partnership

Conference Day 1 Wednesday 18 November 2026

09.00-12.00	**ETHYC Meeting**	The Fitzstephen Boardroom
11.30-12.30	**Conference Registration**	Fota Island Resort Lobby
12.00	Working Lunch	
12.30-14.00	**Conference Opening**	The Smith Barry Suite

» Garrett Monaghan | Hydrogen Ireland
» Cllr Damian Boylan | Lord Mayor of Cork
» Valerie Bouillon-Delporte | Clean Hydrogen Partnership
» Shena Britzen | Rheinmetall

Europe's Energy Security Architecture: The Role of Hydrogen in a Volatile World — The Smith Barry Suite

13.45 An Integrated Energy Planning System

» Valérie Bouillon Delporte | Clean Hydrogen Partnership
» Niamh Callanan | Irving Oil
» Emma Guthrie | Hydrogen Energy Association
» Paul Lennon | Gas Networks Ireland
» Niamh Quinn | ESB
» Sonya Twohig | Entsoe

15.00-15.15 **Case Study** | Hybernia — The Smith Barry Suite

» Paul Monaghan | Mannok

15.15-16.00 Break

16.00-17.00 **PARALLEL SESSION 1**

1A Hydrogen Storage & Distribution to Meet Ireland's Future Energy Needs
The Smith Barry Suite

» Paul Cullen | Kestrel Energy
» Bernice Doyle | Net Zero Energy
» Maurice Carey | DCEE
» Brian Mullins | Gas Networks Ireland
» Tom O'Brien | Nephin Energy
» Tony O'Reilly | dCarbonX

1B ACADEMIC SESSION: Hydrogen Production Technologies & Innovation
The Dorothy Bell Suite

» *R&D perspectives for green and low-carbon hydrogen technologies*
» Dr Alberto Giaconia | ENEA

» *Influence of high temperature and concentrated solar radiation on photocatalytic water splitting reaction involving Pt loaded TiO2*
» Aman Dhiman | Brunel University Of London

» *Biogas-Assisted Solid Oxide Electrolysis for Efficient Renewable Hydrogen Production: The pHyBios Project*
» Dr Feriel Mustapha | IZES gGmbH

» *An Investigation into Subsea Hydrogen Production*
» Brian Clohissey | Eiredyne Limited

17.00-17.15 **Case Study** | Vermillion — The Smith Barry Suite

» Kieran McMorland | Vermilion Energy

17.15-17.30 **From AI and Semiconductors to Green Hydrogen: Building Global Leadership for a Sustainable Future** — The Smith Barry Suite

» Meg Lin | Taiwanese Hydrogen Alliance

18.30 Networking Supper — Fota Island Clubhouse

Conference Day 2 Thursday 19 November 2026

08.00-09.00 Registration — Fota Island Resort Lobby

09.00-10.00 **Industrial Competitiveness & Strategic Autonomy** — The Smith Barry Suite

- » Ivan Delibasic | Hydrogen Europe
- » Mirela Atanasiu | Clean Hydrogen Partnership

10.00-10.15 **Case Study** | Rathrush — The Smith Barry Suite

- » Peter Harte | Rathrush Green Energy Park

10.15-10.45 Break

10.45-11.45 **PARALLEL SESSIONS 2**

2A **Hydrogen Mobility Systems: The Value Chain from Movement to Market**
The Smith Barry Suite

- » Keith Croysdale | Luxfer
- » Alaistair Gemmell | GeoPura
- » Rory Monoghan | University of Galway
- » Meadhbh Whelan | Department of Transport
- » Ian Williamson | HyEnergy

2B **ACADEMIC SESSION: Hydrogen Energy Systems, Infrastructure & Deployment**
The Dorothy Bell Suite

- » *The role of low-temperature hydrogen storage in achieving high self-sufficiency and decarbonization targets in a renewable energy community*
  Omar Najoui | Politecnico Di Torino
- » *Biohydrogen as a Bridge to Green Hydrogen: Technology Readiness, Cost, and Deployment Scenarios*
  Ammar Sohail | University College Dublin
- » *Beyond Levelised Cost: A Techno-Economic Optimisation and Risk Framework for Designing Market Support Mechanisms for Green Hydrogen Deployment*
  Abhijeet Gaikwad | Dublin City University
- » *The Greater Region in the European Spotlight: "Hydrogen, Industrial Transformation and real Cross-border Cooperation"*
  Dr Bodo Groß | Saarländische Wasserstoffagentur

11.45-12.00 **Case Study** | Cork Cluster — The Smith Barry Suite

- » Niamh Callanan | Irving Oil

12.00-12.15 **Case Study |** TBC — The Smith Barry Suite

12.15-13.15 Lunch — Fota Restaurant

13.15-13.30 **Case Study** | Defence Forces Kilworth Camp — The Smith Barry Suite

13.30-14.30 **PARALLEL SESSIONS 3**

3A **Data Resilience & Sovereignty**
The Smith Barry Suite

- » Kerry-Ann Adamson | Cap Gemini
- » Ivan Delibasic | Hydrogen Europe
- » Serge Grisin | F1 Data Analysis
- » Jose Miguel Bermudez Mendez | IEA
- » Paul McCormack | Hydrogen Ireland

3B **ACADEMIC SESSION: Hydrogen for Industrial Applications & Digital Resilience**
The Dorothy Bell Suite

- » *Novel Approaches for Detecting Hydrogen Embrittlement in Pipeline Steels: Microindentation and Alternative Assessment Methods*
  Dr Arnoldas Sasnauskas | Trinity College Dublin
- » *A Case Study of Renewable Hydrogen Integration in a Refinery Framework*
  Pietro Sidoli | AICIA
- » *Investigating the Use Of Green Hydrogen In Industrial Heating Systems In Ireland*
  Josh Watkins | Colas Ireland
- » *Motorsport as a demonstration workload for hydrogen-powered computing*
  Serge Grisin | Independent

14.30-15.30 **PARALLEL SESSION 4**

4A **Supply Chain | Europe's Hydrogen Supply Chain: Electrolysers, Components & Critical Materials**
The Smith Barry Suite

- » James Collins | ITM
- » Keith Croysdale | Luxfer
- » Gearóid Fitzgerald | DCEE
- » Keith Maclean-Martin | Piller Power Systems
- » Helena Quilty | Department of Enterprise, Tourism and Employment

15.30 Conference Close — Fota Island Clubhouse