



Trade Mission Conference

Production, Storage, and Distribution of Green Hydrogen

September 5th at The Gibson Hotel, Dublin 1

www.german-energy-solutions.de

As part of the Energy Export Initiative, subsidized by the Federal Ministry of Economic Affairs and Climate Action (BMWK), the German-Irish Chamber welcomes Irish companies specializing in the hydrogen sector to Dublin from 5th to 7th September. The event offers Irish hydrogen industry participants the opportunity to meet leading product and service specialists from the German hydrogen industry in personalized B2B meetings.

Information Trip Key Dates	
5 th September	Presentations by the visiting German companies, keynote presentations by Irish and German industry professionals, networking and individually arranged B2B meetings with potential Irish business partners.
6 th – 7 th September	Further B2B meetings between German and Irish business partners to discuss a potential cooperation in the Irish market and build relationships with European partners.

Please contact Torben Meier-Klodt if you wish to register for this trip

E-mail: torben.meier-klodt@german-irish.ie

Mobile: +353 86 085 9375

German-Irish Chamber of Industry and Commerce, 5 Fitzwilliam Street Upper, Dublin 2 D02 YH95

Conference Programme
Production, storage, and distribution of green hydrogen in Ireland
Tuesday, 5th September 2023
Gibson Hotel, Dublin 1

09:30 **Registration of Delegates**
Tea/Coffee

10:00 **Welcome and Introduction**
Representative German Irish Chamber of Industry and Commerce
Member of the German embassy in Dublin (tbc.)
Welcome by representative of the German Irish Hydrogen Council

10:30 **Keynote speakers**
Sven Morgen, representative German Hydrogen and Fuel Cell Association (DWV)

Dr. Georg Böttner, head of Executive Board Projects & New Business Development Hamburger
Port and Logistic Association (HHLA)

Paul McCormack, Green Hydrogen and Power to X technologies expert, Innovation manager at
Belfast metropolitan University

11:30 **Q&A Session**

12:00 **Lunch & Networking**

Delegates Company Showcase

1. 2G Energy AG
2. Robert Bosch GmbH - SOFC
- 13:00 3. Goetze KG Armaturen
4. Bioenergy Concept GmbH
5. Tractabel Engineering GmbH
6. GP Joule GmbH
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15:00 **Summary/Closing Remarks/Q&A**
Eamon Ryan - Irish Minister for the Environment, Climate and Communications

Contact

Torben Meier-Klodt, Project Manager – Market entry and sales,
German-Irish Chamber of Industry and Commerce
Telephone: +353 86 085 9375
Email: torben.meier-klodt@german-irish.ie

This Trade Mission is organised by the German-Irish Chamber of Industry and Commerce together with the energiewaechter GmbH in Berlin to promote German-Irish business cooperations in the hydrogen sector in the framework of the German Energy Solutions Initiative on behalf of the Federal Ministry for Economic Affairs and Climate Action (BMWK).



2G Energy AG is an internationally leading manufacturer of combined heat and power systems (CHP) for the decentralised provision of power and heat based on gas engines driven by natural gas, biomethane, biogas, sewage gas, landfill gas or 100% pure hydrogen. The portfolio includes CHP systems with an electrical output of 50 to 4,500 kW. The portfolio for hydrogen utilization is from 115 to 750 kW. The customer base goes from farming to municipalities, the housing sector, commercial entities, food & beverage-, pharmaceutical- and manufacturing industry as well as the utility sector.



Agenitor - World's first truly commercial hydrogen CHP

In the output range of 50 to 1,000 kW especially, 2G has its own gas-engine concepts with particularly low fuel consumption and very high electric efficiency levels. The total efficiency levels range from 85 to more than 90 percent.

- Established 1995
- 8,500 plants operational worldwide
- 2,300MWel installed
- 11 subsidiaries
- 100% hydrogen engines since 2018
- Driven by innovation

If you would like to take the opportunity to meet **2G** we would like to invite you to the trade mission of the **German-Irish Chamber of Industry and Commerce on Production, Storage, and Distribution of Green Hydrogen** taking place from **September 4th to September 8th, 2023**. **2G** is presenting at our conference in The Gibson Hotel, Dublin on the 5th and is available for individual B2B meetings on the 6th, 7th, and 8th. Please contact us to register for the conference or to arrange a meeting.

German-Irish Chamber of Industry and Commerce

2G Energy AG

Contact Person: Torben Meier-Klodd

Contact Person: Andre Banken

5 Fitzwilliam Street Upper, D02 YH95 Dublin, Ireland

Mob: +353 86 085 9375

E-Mail: torben.meier-klodd@german-irish.ie

Web: <https://www.german-irish.ie/en/>



The Bosch Group is a leading global supplier of technology and services. It employs roughly 421,000 associates worldwide (as of December 31, 2022). The company generated sales of 88.2 billion euros in 2022. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology. its roughly 470 subsidiary and regional companies in over 60 countries.

Bosch is active in the development, industrialization and marketing of **fuel cells systems** and **electrolyser components and sub-systems**.



Thus, **Bosch** offers technology solutions along the whole hydrogen value chain, like the following:

- Solid Oxide Fuel Cell (SOFC, industrialization phase)
- PEM-Electrolyser (PEMEL, industrialization phase)
- PEM fuel-cell power module (PEMFC, SOP 07/2023)

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German-Irish Chamber of Industry and Commerce	Robert Bosch GmbH	Robert Bosch Ltd
Contact Person: Torben Meier-Klodt	Contact Person: Christian Schiller	Contact Person: Christian Lee
5 Fitzwilliam Street Upper, D02 YH95 Dublin, Ireland		
Mob: +353 86 085 9375		
E-Mail: torben.meier-klodt@german-irish.ie		
Web: https://www.german-irish.ie/en/		



Goetze is your partner regarding safety (valves). We assure the handling of hydrogen from the retrieval to the application – either in the electric part of the process or at the hydrogen filling station for vehicles. We protect filling processes, which are under high pressure or the storage of liquid hydrogen in tanks.



Goetze provides safety solutions in hydrogen applications, from production through to end use.

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| <ul style="list-style-type: none"> • Hydrogen Production • Hydrogen Storage • Transportation of Hydrogen • High and Low pressure | <p>Use of Hydrogen:</p> <ul style="list-style-type: none"> • Mobility • Industry • Energy Storage |
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If you would like to take the opportunity to meet **Goetze** we would like to invite you to the trade mission of the **German-Irish Chamber of Industry and Commerce** on **Production, Storage, and Distribution of Green Hydrogen** taking place from **September 4th to September 8th, 2023**. **Goetze** is presenting at our conference in The Gibson Hotel, Dublin on the 5th and is available for individual B2B meetings on the 6th, 7th, and 8th. Please contact us to register for the conference or to arrange a meeting.

German-Irish Chamber of Industry and Commerce

Goetze KG Armaturen

Contact Person: Torben Meier-Klodt

Contact Person: Philip Wilburn

5 Fitzwilliam Street Upper, D02 YH95 Dublin, Ireland

Mob: +353 86 085 9375

E-Mail: torben.meier-klodt@german-irish.ie

Web: <https://www.german-irish.ie/en/>



Bioenergy Concept GmbH is your independent engineering and consulting partner regarding sustainable energy projects. Bioenergy Concept plans, manages, and supports your project from the first idea, right through procurement, construction, and commissioning. Bioenergy Concept produced green hydrogen by innovatively integrating their expertise in biomass digestion. As such their hydrogen production requires lower energy and water usage than traditional electrolyser systems. Additionally, they specialize in digesters, pyrolysis systems as well as cogeneration plants and photovoltaic systems. Bioenergy Concept is the expert when it comes to your bioenergy solution.



Bioenergy Concept provides engineering and consulting services for both national and international sustainable energy production and storage projects.

- Founded in 2007
- International cooperation projects across Europe and the US
- Close partnerships with research institutions
- Conceptual plant design expertise
- Cooperation with expert firms in plant engineering and construction
- Expertise in gas and hydrogen production from biomass

Bioenergy Concept provides engineering and consulting services for both national and international sustainable energy production, storage, and distribution projects.

If you would like to take the opportunity to meet **Bioenergy Concept GmbH**, we would like to invite you to the trade mission of the **German-Irish Chamber of Industry and Commerce** on **Production, Storage, and Distribution of Green Hydrogen** taking place from **September 4th to September 8th, 2023**. **Bioenergy Concept GmbH** is presenting at our conference in The Gibson Hotel, Dublin on the 5th and is available for individual B2B meetings on the 6th, 7th, and 8th. Please contact us to register for the conference or to arrange a meeting.

German-Irish Chamber of Industry and Commerce

Bioenergy Concept GmbH

Contact Person: Torben Meier-Klodt

Contact Person: Christoph Eusterbrock

5 Fitzwilliam Street Upper, D02 YH95 Dublin, Ireland

Mob: +353 86 085 9375

E-Mail: torben.meier-klodt@german-irish.ie

Web: <https://www.german-irish.ie/en/>



Tractebel Engineering is your partner regarding complex energy, urban, nuclear, and water projects. By combining expertise in strategy, design, engineering, and project management, Tractebel provides comprehensive engineering and consulting services for businesses moving towards low-carbon energy strategies. This ranges from services around the conception of plants to the monitoring of development projects. With 150 years of experience and offices across Europe, Africa, Asia, the Middle East, and Latin America, Tractebel is a leader in green energy engineering and technology innovations.



Tractebel is part of the ENGIE Group and provides expertise in various fields: from conventional energy production or gas and LNG projects to onshore and offshore renewable energies or power transmission & distribution.

Tractebel has been providing for several years green hydrogen solutions to industries, utilities, and project developers to help them in the execution of their carbon-neutral projects: from renewable energy through green hydrogen to the final use of green molecules. Whether it be as green hydrogen for energy storage, mobility, industry, gaseous or liquefied transport, whether it be as an e-molecule as ammonia, e-methane, or e-methanol, e-kerosene or LOHC.

If you would like to take the opportunity to meet **Tractebel** we would like to invite you to the trade mission of the **German-Irish Chamber of Industry and Commerce** on **Production, Storage, and Distribution of Green Hydrogen** taking place from **September 4th to September 8th, 2023**. **Tractebel** is presenting at our conference in The Gibson Hotel, Dublin on the 5th and is available for individual B2B meetings on the 6th, 7th, and 8th. Please contact us to register for the conference or to arrange a meeting.

German-Irish Chamber of Industry and Commerce

Tractebel Engineering GmbH

Contact Person: Torben Meier-Klodt

Contact Person: Andriy Kovtonyuk

5 Fitzwilliam Street Upper, D02 YH95 Dublin, Ireland

Mob: +353 86 085 9375

E-Mail: torben.meier-klodt@german-irish.ie

Web: <https://www.german-irish.ie/en/>

GP JOULE

TRUST YOUR ENERGY.

GP Joule is a system provider for integrated energy solutions from solar, wind and biomass power as well as being a partner at the supply level for electricity, heat, and hydrogen. GP JOULE is thus a pioneering company in sector cross-linkage. Around 800 people work for the medium-sized group of companies in Germany, Europe, and North America. Their services in the field of hydrogen include consulting, project planning, financing, operational management, and plant construction.



They also work on green hydrogen mobility projects that combine all areas of the value chain:

- Use of electricity for hydrogen production
- Use of resulting waste from local heating networks
- Distribution of hydrogen at fuelling stations

If you would like to take the opportunity to meet **GP Joule**, we would like to invite you to the trade mission of the **German-Irish Chamber of Industry and Commerce** on **Production, Storage, and Distribution of Green Hydrogen** taking place from **September 4th to September 8th, 2023**. **GP Joule** is presenting at our conference in The Gibson Hotel, Dublin on the 5th and is available for individual B2B meetings on the 6th, 7th, and 8th. Please contact us to register for the conference or to arrange a meeting.

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Contact Person:
Torben Meier-Klodd

5 Fitzwilliam Street Upper, D02 YH95 Dublin,
Ireland

Mob: +353 86 085 9375

E-Mail: torben.meier-klodd@german-irish.ie

Web: <https://www.german-irish.ie/en/>

Contact Person:
Ciaran Donnelly