



**An element of quality**  
Our global Hydrogen practice

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# Introduction

## Our global Hydrogen practice provides insights into the issues shaping the hydrogen economy.

As hydrogen plays an increasingly important role in the energy transition, our multi-disciplinary team can help you take advantage of emerging opportunities and develop strategies to manage risk and deliver value.

With deep experience across all aspects of the hydrogen value chain, we provide advice and solutions on the full range of corporate, commercial, finance, regulatory, construction, employment, real estate, environment, planning, health and safety, intellectual property, tax, competition, disputes and insurance matters for the hydrogen industry.



**68**  
offices



**750+**  
partners



**32**  
countries

**3,000+**  
lawyers



**300+**  
clean energy  
lawyers

Eversheds Sutherland is one of the largest global law firms in the world. With some 5,000+ people, including more than 750 partners and 3,000+ lawyers, we are committed locally but connected globally via 68 offices based in the world's major economic centers. We have a proven track record of delivering consistently high quality legal services across jurisdictions.



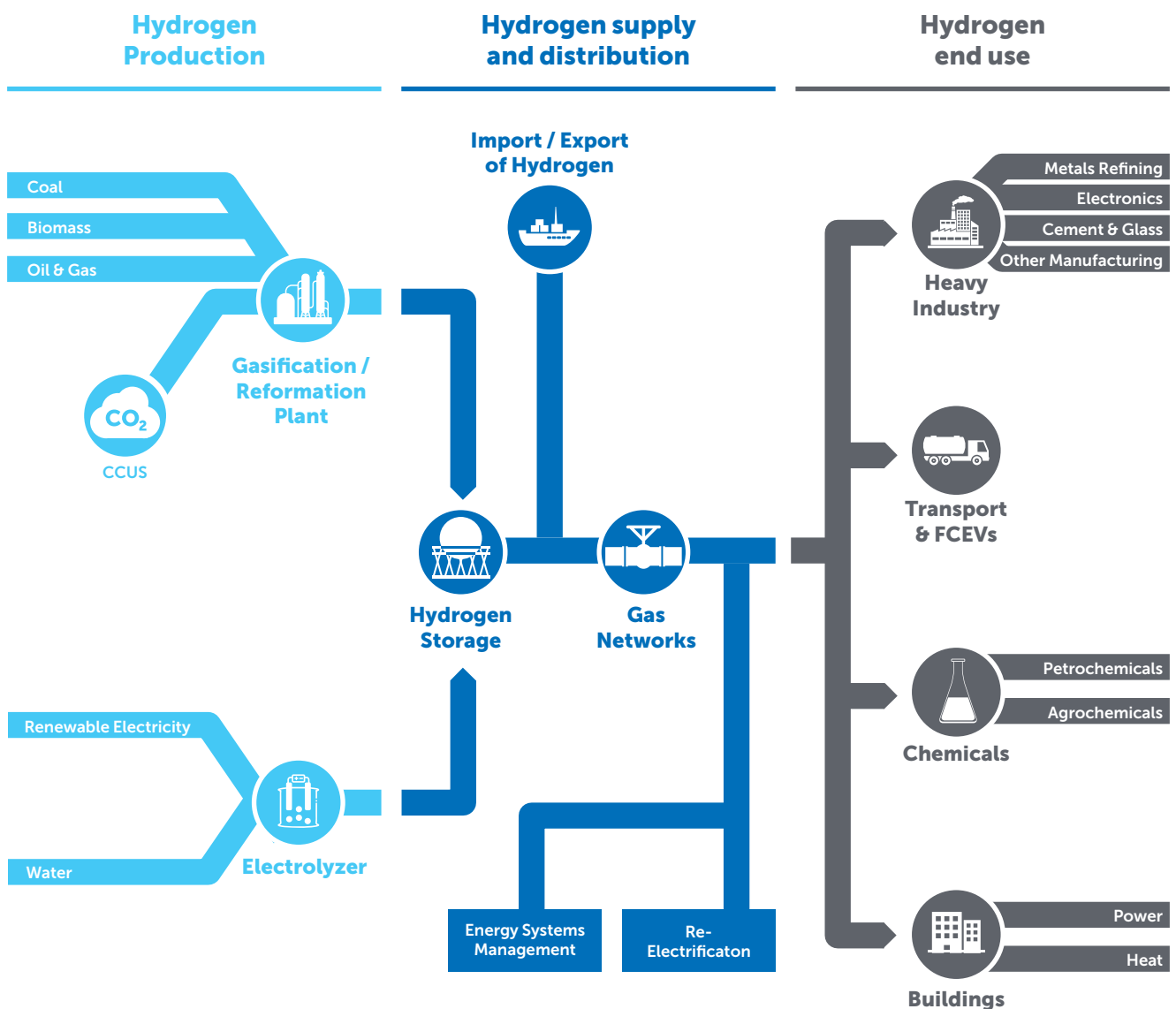
**See our hydrogen hub for more  
content and thought leadership**



# Supporting the hydrogen value chain

With decades of experience in related sectors and in the development of other emerging industries, Eversheds Sutherland is well equipped to meet the needs of a wide range of hydrogen industry participants. From production and distribution through to end use applications, we have the experience and capability at each stage of the hydrogen value chain to support you in achieving your business objectives.

Whether it is the manufacture of hydrogen technologies, the development of hydrogen production plants or the use of hydrogen-powered transport, we can help you navigate the various challenges of the growing hydrogen economy. This includes structuring new business models, sourcing finance, protecting intellectual property and dealing with evolving regulatory frameworks.





### Clean energy

Our Clean Energy team comprises over 300 lawyers and has advised on more than 50GW of renewable energy projects globally. We advise corporates, developers and funds on the full project lifecycle, from securing development assets through to construction, financing, operation and exit. With decades of experience in the clean energy sector, we can support you in adopting emerging technologies, developing innovative structures and expanding into new jurisdictions. Our team has experience across all renewable sources including solar (PV and CSP), wind (onshore, offshore and floating), biomass, biofuel, waste to energy, tidal and hydro.




### Hydrogen production

We advise manufacturers, suppliers, contractors, developers and corporates on all aspects of the construction, operation and supply of hydrogen production units and facilities whether under stand-alone arrangements or as part of an integrated supply chain solution. Our team is familiar with a broad range of technologies including biomass and coal gasification, electrolysis (polymer electrolyte membrane and alkaline) and methane reformation (steam methane and autothermal).



### Carbon capture utilization and storage

Our team has been at the forefront of the development of the CCUS industry globally. As such, we have advised on a number of market leading projects including the construction of the first oxy-fuel and carbon sequestration project in the UK and the development of the largest carbon capture facility in the US. We advise corporates and developers on the full spectrum of development, financing, environmental, construction, real estate, regulatory and intellectual property aspects of CCUS projects as well as innovative project and tax structuring to take advantage of carbon abatement incentives and government funding grants.



### Gas networks and distribution

We provide full service legal advice and solutions to some of the world's largest gas network owners and operators, as well as a variety of gas storage and industrial gas distribution businesses. With more than 40 years' industry experience, our team has advised on some of the most complex and strategic matters in the sector. This includes the restructure and separation of the gas transmission and distribution businesses of one of Europe's largest gas network owners, as well as the first pilot project to inject hydrogen into the UK's gas grid. Our team regularly advises on capital investment programs and asset development, debt and equity offerings, competition and regulatory compliance issues, tax planning and gas supply/transportation arrangements (including by pipeline and liquefied or compressed gas carriers).





## Energy systems and storage

Our global Energy team advises utilities, developers, ESCOs, generators, network operators, funds, lenders and high-demand end users on a wide variety of grid management services, as well as the development and operation of energy storage projects. We are recognized as global leaders in the field of energy storage and have pioneered a number of innovative solutions, including Europe's first energy storage PPA and the world's first energy storage equity fund. We advise on all legal aspects of energy systems products and storage projects including regulatory and licensing requirements, connection and offtake arrangements, flexible supply contracts, optimization services, ancillary and balancing arrangements (including for frequency control, operating reserves and load management), corporate structuring, debt and equity financing, project development and renewable energy incentives.



## Transport

Our Transport and Automotive team consists of over 150 lawyers worldwide and is at the cutting-edge of the development and use of fuel cell technology. From OEMs, technology suppliers, manufacturers and distributors through to freight and logistics companies, infrastructure owners and municipal transport authorities, we work with a broad cross-section of clients across all modes of transport including heavy vehicles and material handling equipment. We offer a full range of multi-jurisdictional corporate, finance, regulatory, tax, commercial contracts, intellectual property and litigation services and have particular experience in R&D joint ventures, product liability, telematics services and the development of charging and refueling infrastructure.



## Chemicals

We advise a wide range of market participants across the spectrum of base chemicals, petrochemicals, speciality chemicals, polymers and fertilizers and represent 11 of the top 20 companies listed in the ICIS Top 100. Our experienced Chemicals team understands the key strategic and commercial issues impacting the chemical industry and offer advice and solutions on a variety of sector-specific matters including portfolio management, strategic alliances, warehousing and logistics, sales and marketing, asset development and financing, intellectual property protection, supply chain disputes and regulatory compliance including under REACH, CLP and TSCA.



## Buildings and heating

We advise property developers, asset managers, ESCOs, EESPs, manufacturers, technology suppliers and engineering companies on the use of fuel cell technology for behind-the-meter power and heating solutions in the commercial and residential building sector. With experience in smart buildings, micro-cogeneration, back-up and uninterruptible power supply, demand side response arrangements and energy efficiency incentives, we offer a full range of corporate, real estate, finance, product liability, data security, technology licensing, energy regulatory and commercial services.



## Heavy industry

Our Industrials Sector team is recognized by Acritas as a top 10 brand globally and represents one quarter of all diversified industrial companies in the Fortune 500, and over 50% of the sector in the FTSE 350. Our clients rely on our industry knowledge and experience as they face new market challenges and adopt new technologies to improve their products. We offer full service capability across the globe and have particular sector experience in cross-border M&A, strategic litigation, compliance, technology licensing and intellectual property, health and safety, supply chain and competition issues.

**See the Eversheds Sutherland website for more details on our experience and credentials in the above practices**



# Examples of our hydrogen work

**Some examples of our recent hydrogen experience include advising:**

- municipal governments in the UK, Germany and the Netherlands on the procurement and licensing of hydrogen transport technologies
- the developer of hydrogen storage solutions on patent prosecution and counselling matters
- various fuel distribution companies on compliance with renewable fuel content requirements and tariff exemptions for hydrogen based fuels
- the lead sponsor in the development of a hydrogen production and solar-gas hybrid power plant complex
- an international energy company on the proposed brownfield expansion of a methane reforming plant
- an integrated transport company on arrangements for the construction and operation of hydrogen refuelling stations
- a renewable energy developer on the construction of hydrogen electrolyzer units
- a gas networks operator on the commercial arrangements for hydrogen blending in gas networks
- a large multi-national engineering company on its joint venture arrangements for the research and development of hydrogen fuel cell technology
- an industrial gases business on liquid hydrogen and compressed hydrogen gas supply and transportation arrangements



## Hydrogen Refuelling Station Project

Our team assisted a local municipal authority in the UK with this innovative project for the construction, maintenance and supply of hydrogen refuelling stations for a fleet of hydrogen powered buses. This was part of the local authority's new transport strategy to improve air quality and reduce emissions through the investment in greener transport. Our mandate included working with the client's in-house legal and commercial teams to devise an appropriate and cost effective procurement strategy that aligned with broader policy goals and fleet requirements as well as the drafting and negotiation of relevant commercial agreements and real estate leases. Our in-depth experience with electric charging stations for other e-mobility solutions also enabled us to assist the client identify and address a range of issues early in the process.





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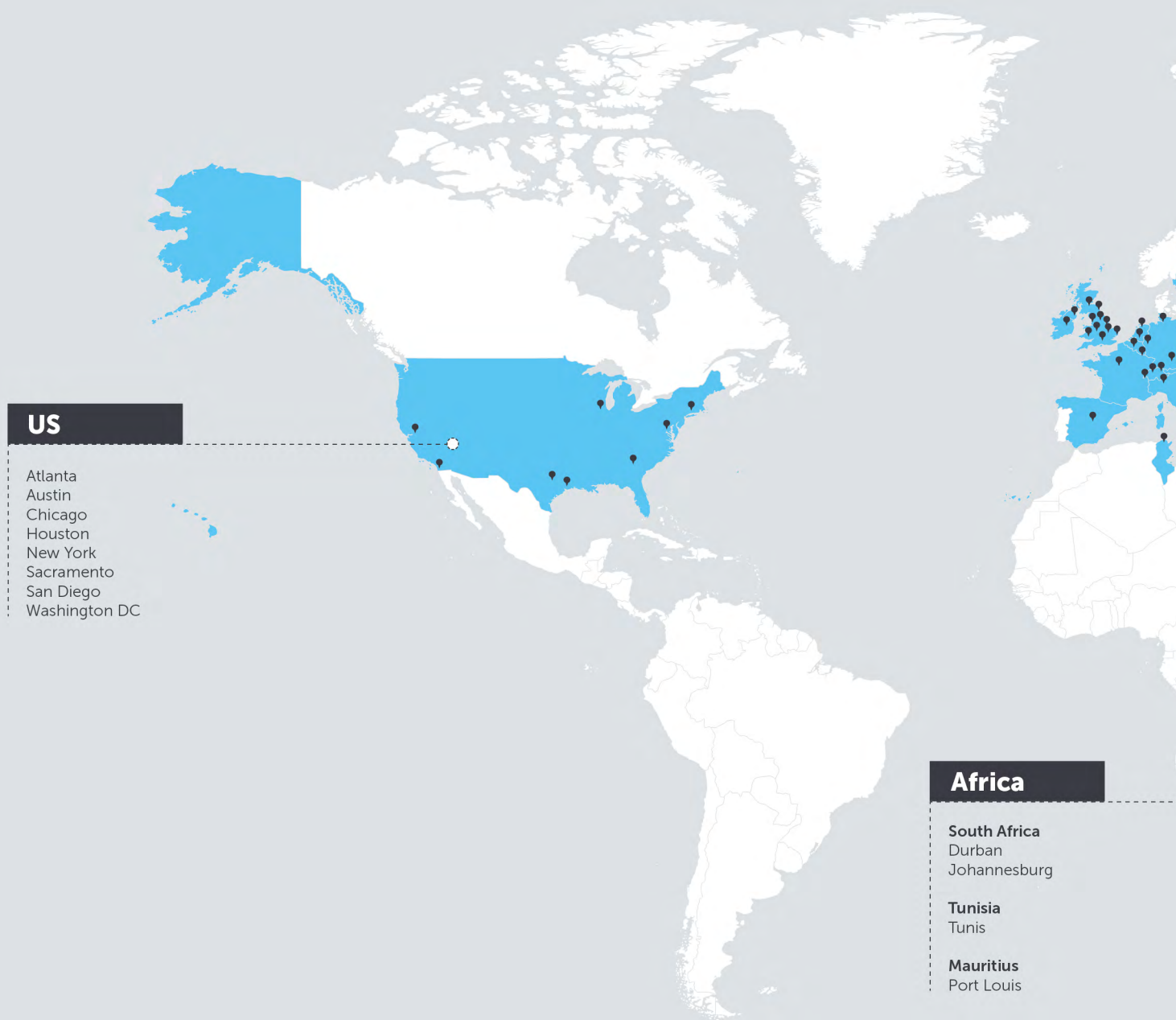
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# Our global footprint



## Europe

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Vienna

**Belgium**  
Brussels

**Czech Republic**  
Prague

**Estonia**  
Tallinn

**Finland**  
Hämeenlinna  
Helsinki  
Jyväskylä  
Oulu  
Tampere  
Turku

**France**  
Paris

**Germany**  
Berlin  
Düsseldorf  
Hamburg  
Munich

**Hungary**  
Budapest

**Ireland**  
Dublin

**Italy**  
Milan  
Rome

**Latvia**  
Riga

**Lithuania**  
Vilnius

**Luxembourg**  
Luxembourg City

**Netherlands**  
Amsterdam  
Rotterdam

**Poland**  
Warsaw

**Romania**  
Bucharest

**Russia**  
Moscow  
St Petersburg

**Slovakia**  
Bratislava

**Spain**  
Madrid

**Sweden**  
Stockholm

**Switzerland**  
Berne  
Geneva  
Zurich

**United Kingdom**  
Belfast  
Birmingham  
Cambridge  
Cardiff  
Edinburgh  
Ipswich  
Leeds  
London  
Manchester  
Newcastle  
Nottingham

## Asia

**China**  
Beijing  
Hong Kong  
Shanghai

## Middle East

**Iraq**  
Baghdad  
Erbil

**Jordan**  
Amman

**Qatar**  
Doha

**Saudi Arabia**  
Riyadh

**United Arab Emirates**  
Abu Dhabi  
Dubai

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*They are a solid firm that is truly responsive and exceptionally great to deal with. They're client-savvy and ahead of their time in terms of client service. They're accommodating and they stand out.*

Chambers 2020

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