

## Top-Tier Global Law Firm Dedicated Hydrogen Legal Team

Shearman & Sterling's hydrogen team brings extensive experience in project development, finance, mergers & acquisitions, and commercial agreements in representing investors, sponsors, lenders and other key players in the hydrogen stream.

The team has represented clients globally in the production, supply, and downstream sale and marketing of hydrogen and associated products, including advising opposite Air Products on its recently-announced green hydrogen production megaproject in Saudi Arabia.

### AN AWARD-WINNING GLOBAL TEAM

- Leading firm in Projects & Energy in each region of the world, including Africa, Asia Pacific, Middle East, Latin America, and the U.S., *Chambers Global 2020*
- 2019 Law Firm of the Year, *Project Finance International*
- Leading firm in the Middle East & North Africa, *IJGlobal 2019*
- Leading firm globally in Corporate / M&A, *Chambers Global 2020*

### OUR KEY STRENGTHS

#### Market leader:

Advisers on the largest and most complex projects and transactions, including the world's first green hydrogen megaproject, about to commence construction.

#### Premier client list in the hydrogen sector:

we advise NOCs, IOCs, lenders, developers, technology suppliers, engineering companies and contractors.

#### Deep understanding of and commitment to hydrogen:

A firm which truly recognises the key role of hydrogen in a clean, secure and affordable energy future.

#### Global footprint:

Experienced partner-led teams based in New York, Houston, Tokyo, Seoul, Singapore, London, the UAE and Riyadh.

## Experienced in All Aspects of the Hydrogen Value Chain



### HYDROGEN TECHNOLOGY, PRODUCTION AND DOWNSTREAM CONVERSION

- Advisers on the **world's first green hydrogen / ammonia export megaproject**, involving **4GW of solar and wind** and a **2GW electrolyser** in Saudi Arabia with Air Products (USA). **Capex is US\$5 billion, plus \$2 billion of downstream capex.**
- Advisers to the U.S. Department of Energy on the proposed loan guarantee to a subsidiary of Monolith Materials, Inc., a leader in clean energy and chemical production, for the **development and construction of the country's first large scale carbon-free ammonia plant, located in Nebraska.** The plant will convert natural gas into carbon black and clean hydrogen, which will then be used to cleanly produce ammonia and other products. Total project costs are estimated to be \$1.4 billion.
- Advisers to an infrastructure fund on the development of a detailed **overview of the regulatory environment for green hydrogen** in Europe, Germany and the USA.
- Advisers to a U.S. developer on the **development of a 25 MW green hydrogen producing plant** in Texas.
- Advisers to Hydrogen Energy International on various hydrogen energy projects, including a **project in California to produce 400MW of electricity together with carbon sequestration.**
- Advisers to **LyondellBasell** on a joint venture to develop a **syngas (hydrogen and CO<sub>2</sub>) facility in Texas.**
- Advisers to APVentures, which was spun out of Anglo American, on **investments in platinum-based hydrogen fuel cell technologies.**
- Advisers to Syntroleum on **several projects to produce synthetic fuels** by the Fischer-Tropsch process (converting hydrogen and CO<sub>2</sub> into liquid hydrocarbons) using natural gas, coal, or biomass as feedstocks.



### SUPPLY CHAIN AND DISTRIBUTION

- Advisers to Brunei LNG on a JV with Chiyoda and Mitsubishi to establish the **world's first international hydrogen supply chain business**, transporting hydrogen at room temperature.
- Advisers to numerous energy companies on **hydrogen pipelines in Texas associated with the separation of hydrogen and CO<sub>2</sub>.**
- Advised Anglo Platinum Marketing on a JV with Shell Oil, Toyota and Honda to develop **hydrogen refueling stations in California.**



### FINANCIAL PRODUCTS

- Advised on a convertible **note investment in United Hydrogen** (gaseous and liquid hydrogen).
- Advised on a **credit facility relating to hydrogen-powered industrial equipment** employed at various Walmart distribution centers.



For more information on our hydrogen capabilities, please visit [shearman.com](https://www.shearman.com)