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.

**Top-Tier Global Law Firm**

**Dedicated Hydrogen Legal Team**

**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.

**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*
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.

- Advisors 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 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 CO₂) 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 CO₂ 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 CO₂.

- 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