

The Future of Mobility Series

HYDROGEN

Getting our clients ready to maximise the impact of the hydrogen revolution on their business.



Worldwide, flights produced 915 million tonnes of CO2 in 2019. Globally, humans produced over 43 billion tonnes of CO2.



Global CO2 emissions from shipping estimated at approximately 800 million tonnes per year and projected to grow to between 1100 and 1500 million tonnes per year by 2035.



Global road transport responsible for 74% of total transport emissions.

Across the world the race against time to save the planet has started, with major funding being unlocked to accelerate the fossil fuel economy's transition into one focused on renewable energy underpinned by sustainability-driven initiatives. Through the EU's Recovery and Resilience Facility for instance, 'green' projects will benefit from an unprecedented funding pot of EUR 672.5 billion in loans and grants to contribute to the EU's 2050 climate neutrality goal.

This radical decarbonization effort is supported by increasingly stringent legal requirements on the transportation industry, as reforms and investments aim to boost demand for zero-/low-emission vehicles and accelerate the rollout of recharging and refueling infrastructure.

The need for clean transportation presents a plethora of opportunities for the future mobility industry, introducing bold new strategic thinking to the boardroom and boosting research and development, all in the name of a clean future. For transportation companies who master the new legal landscape attached to the green trend, the sky is the limit as their reputation as responsible citizens, as well as business growth and profitability will be boosted.

KEY RISKS AND OPPORTUNITIES

Key opportunities	Key challenges
Research and innovation required to develop new hydrogen technologies in the transportation sector.	Accessing very substantial EU and national sustainable finance packages for the promotion of research and development in the field of e-mobility and battery cell production.
Scale up of hydrogen production capacity and renewable energy plants.	Become the consumers' company of choice as the leader in energy transition processes to responsible transportation solutions.
Implementation of new hydrogen-based transport strategies.	National clean transportation and hydrogen strategies supporting: <ul style="list-style-type: none"> Fleet modernization for greener heavy goods vehicles and the public transportation sector. Climate-friendly vehicles, including fuel cell cars. Decarbonization of the aviation and maritime sectors through the production of synthetic fuels.
Development of a hydrogen transport and distribution infrastructure.	Expansion of hydrogen refueling stations.

OUR EXPERIENCE

Our global team includes experienced projects, antitrust, regulatory and M&A experts (amongst other specialties) in all key jurisdictions. Crucially, our lawyers active in the **Baker McKenzie Hydrogen Hub and Future Mobility Group** combine their extensive expertise to provide informed and forward-looking advice to clients embracing the business opportunities offered by the hydrogen revolution in the new mobility sector across all the relevant areas of law.

Leveraging our experience in the transportation industry, we help companies to address risks efficiently when entering into new partnerships, dealing with unfamiliar jurisdictions, developing cutting-edge products or restructuring operations.

The Baker McKenzie difference

With 6,000+ lawyers covering 250+ jurisdiction in 46 countries, Baker McKenzie is a truly global firm with a finger on the pulse of developing trends. In 2021, for the 11th consecutive year, Acritas has named our Firm the world's strongest law firm brand, ranking us No. 1 globally in awareness, favorability, and consideration for multi-jurisdictional deals and litigation. The ranking is based on interviews with more than 1,565 senior legal buyers across the world's largest multinationals with revenues in excess of \$1 billion.

Our practice

With over **350 lawyers** specializing in the new mobility space, we represent a broad range of industry players across all areas of energy law at both local and international levels. We can advise on a full range of issues—including IP protection, antitrust law, joint ventures, mergers & acquisitions, access to international and national funding streams.

Our **experts across 70 offices** have in-depth knowledge of national and international energy-related legislation. We regularly work together to tackle the cross-border nature of legal issues arising in the context of hydrogen production, storage and applications.

A key differentiator in the legal space, several of our **attorneys at law are electrical engineers, computer engineers, and computer science graduates**, and highly experienced in handling cases relating to automobile technology, communication technology, and SEPs. In collaboration with our hydrogen experts across the globe and our Brussels experts on the European Commission's energy regulations, delivery of comprehensive bespoke legal solutions is seamless.

Baker McKenzie is the **only global firm** allowed to represent companies in court proceedings in China, and has successfully defended companies in anti-monopoly and FRAND litigation there.

What they say about us

Ranked Band 1 and 2 in 24 categories across Projects, Energy and Infrastructure

Chambers 2020

Ranked Tier 1 and 2 in 37 categories across Projects, Energy and Infrastructure

IFLR100 2020

Ranked Tier 1 and 2 in 10 categories across Projects, Energy and Infrastructure

Legal 500 EMEA 2020

Ranked Tier 1 and 2 in 9 jurisdictions across Projects, Energy and Infrastructure

Legal 500 Asia Pacific 2020

"The firm is great at having a partner present who truly understands you and makes sure that you really have an ally in the processes."

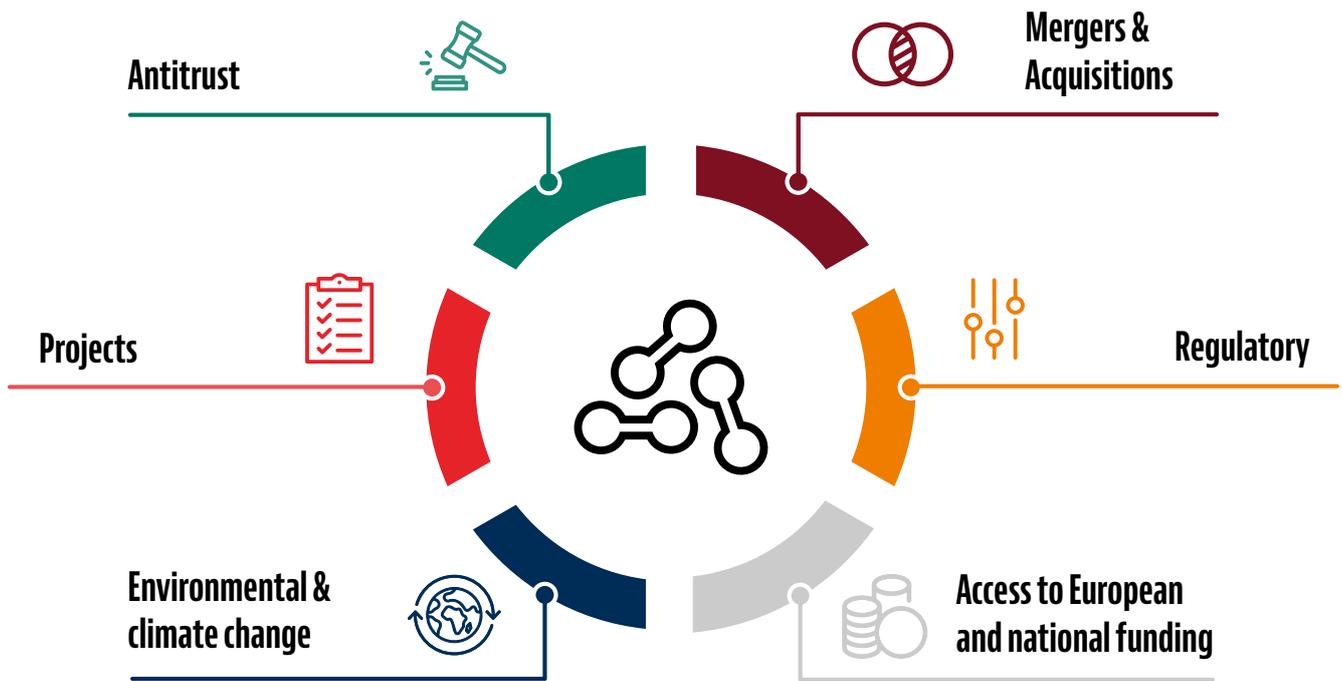
Chambers Europe 2021

"Their client service is excellent, and Baker is also a one-stop shop we trust. It's not just the M&A, but they can pull in colleagues in antitrust, capital markets and tax expertise to advise on different aspects of the transaction. This ability to respond very quickly with expert advice really sets them apart."

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HYDROGEN IN THE FUTURE OF MOBILITY

Our unique solutions



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