



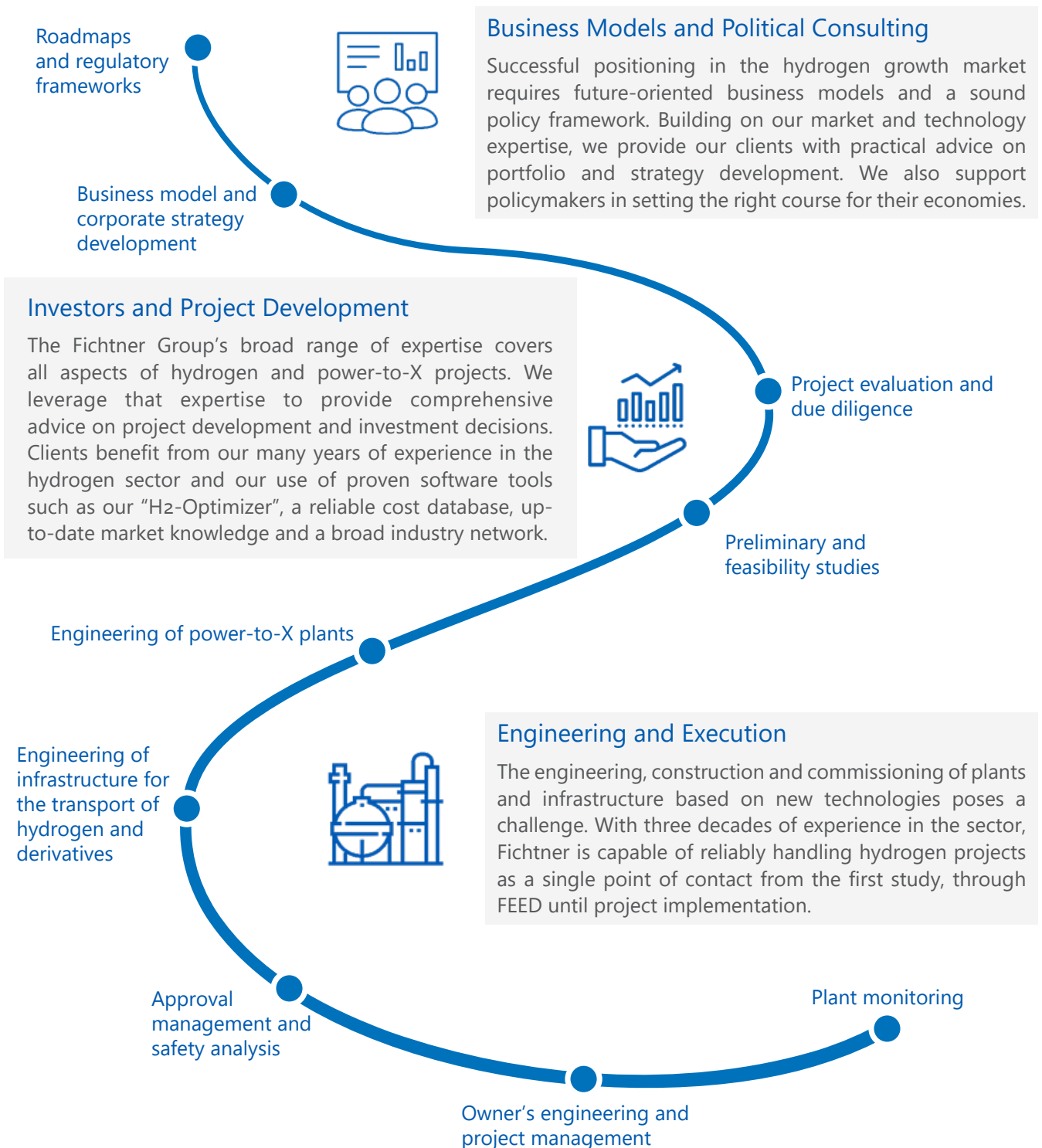
HYDROGEN & POWER-TO-X

Hydrogen will play an important role on the road to reducing greenhouse gas emissions. Fichtner advises you all the way from the initial idea to the turnkey plant.

FICHTNER

Complete hydrogen and power-to-X projects from a single source

Climate neutrality is becoming the guiding principle in the industry, energy and transport sectors and the goal of sustainable development for communities, cities and nations. We believe that hydrogen will play a central role in decarbonizing our world. Thanks to three decades of experience with hydrogen projects, we can provide competent and tailored support across all project phases of the entire hydrogen value chain.





Our team and capabilities at a glance

- Electrolysis specialists, including former employees of electrolysis manufacturers
- Hydrogen midstream group, expertise in transport, distribution and storage solutions
- Green chemicals group and established partners for ammonia and methanol plants
- Hydrogen market and policies group, expertise in certification and long-term supply contracts
- Owner's engineering, project management excellence from 100 years of projects
- 30+ years of hydrogen engineering with long-term employees
- 40+ years' experience in wind, photovoltaics, battery and hydropower
- World-leading optimization tools *H₂-Optimizer* and *H₂ Value Chain Suite*

Extensive expertise in all parts of the hydrogen value chain

Fichtner has extensive engineering know-how in all project phases of the hydrogen supply chain: starting with the upstream processes for producing and processing hydrogen, from power-to-X technologies to alternative hydrogen generation processes such as steam reforming in combination with carbon capture and storage or pyrolysis. Our experts advise you on plant engineering for hydrogen infrastructure and distribution, as well as applications for power and heat generation, mobility, and use in industrial processes.

Exploiting the dynamics in the field of hydrogen and decarbonization, however, requires even more. We are convinced that interdisciplinary strategic planning and development of business models are fundamental for success in this field. With a team of energy economists, engineers and consultants, our internal technical expertise enables us to develop practical and sustainable solutions for companies and policymakers. We thus offer our clients solutions tailored to their specific needs from a single source.

FICHTNER

Fichtner is one of the leading independent engineering and consultancy firms for infrastructure projects. With its home office in Stuttgart, Germany, and its subsidiaries, affiliated companies, branches and project offices throughout the world, the Fichtner Group can call on a global network of experienced experts for planning and executing projects in the fields of energy, water, environment, transportation and IT. Fichtner's focus is on providing independent consultancy to develop bespoke solutions that best meet the needs of its clients.

Fichtner GmbH & Co. KG
Sarweystrasse 3
70191 Stuttgart
Germany

Phone: +49 711 8995-0
Fax: +49 711 8995-459
info@fichtner.de
www.fichtner.de

