



Sector Coupling & Infrastructure

We connect energy.
From the idea to operation.

Hydrogen in the energy system. Holistically conceived.

EMCEL supports the entire hydrogen value chain and connects hydrogen with renewable energy and battery energy storage systems (BESS).

In particular, we also support you with overarching hydrogen-related topics such as permitting, standardization, safety and approval.

Let's talk about your project.

EMCEL GmbH

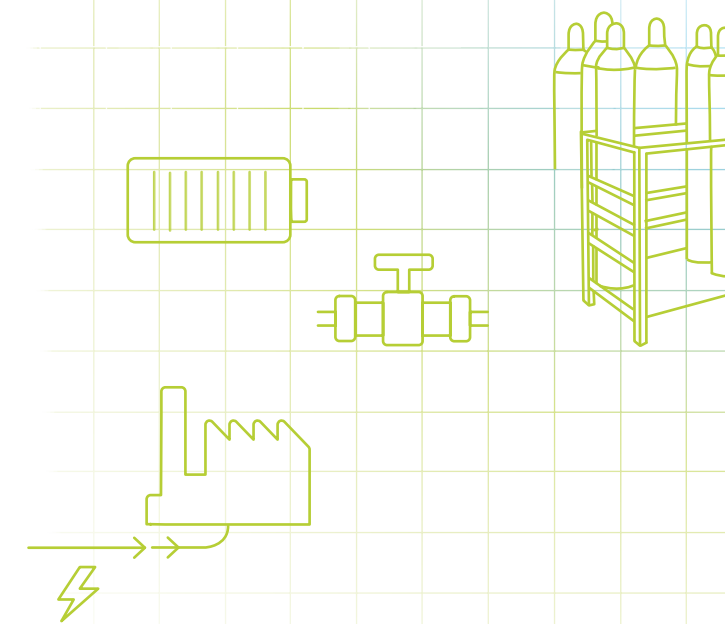
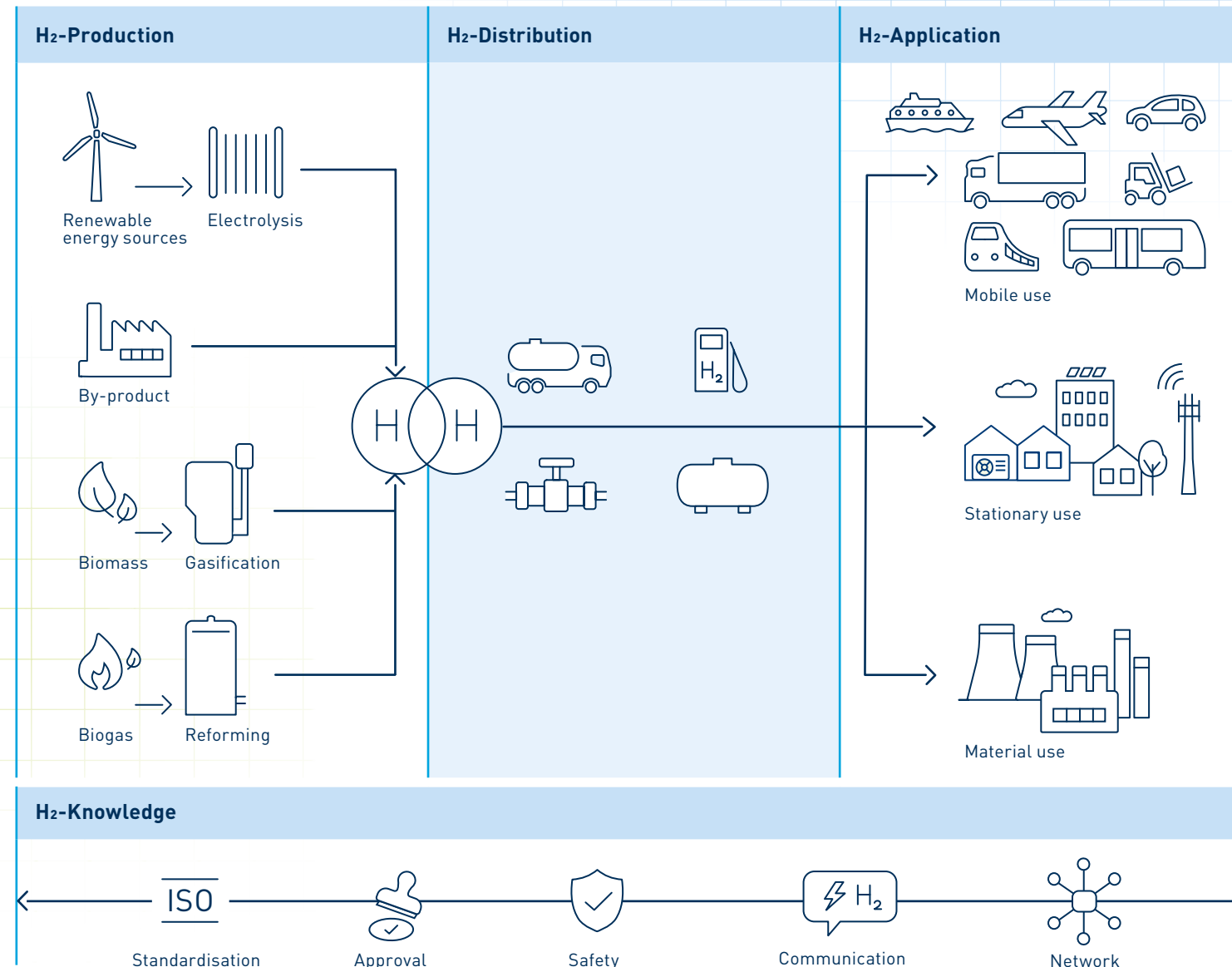
Consulting and Engineering
for the Energy Transition

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More about
Sector Coupling & Infrastructure:



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Consulting

Fundamentals	Planning	Procurement	Preparation for Operation	Operation
Technology & system consulting	TCO & economic analysis	Tendering strategy	Operator & operating concepts	Operational & performance analysis
Potential & demand analysis	Market & product analysis	Requirements specification / scope of services	Training & knowledge transfer	Optimization consulting
Use cases & target concepts	Business model development	Bid comparison	Safety & organizational concepts	Further development of business models
Standards & permitting strategy	Funding strategy & funding opportunities	Procurement & funding support	Communication & stakeholder management	Accompanying research

EMCEL develops holistic solutions for sector coupling and infrastructure. We provide consulting and engineering – from initial potential and cost analyses through planning and implementation to approval and operation.

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Engineering

System concept & system architecture	System design & dimensioning	Technical specifications	Commissioning planning	Commissioning & start-up support
Site & boundary conditions	Energy & load flow analysis	Technical bid evaluation	Testing & acceptance concepts	Monitoring & data analysis
Safety concepts & risk assessment	Risk analysis, HAZOP & FMEA	Technical tender support	Explosion protection & safety documentation	System & plant optimization
Interface concept	Layout & integration planning	Supplier & interface coordination	Permitting, approval & operational documentation	Safety assessment & optimization of measures

Customers

- Political authorities, Associations
- Plant operators
- Component and plant manufacturers

