

Hamburg.

Leading the way in hydrogen.

- 01 European pipeline access
- 02 Strategic location advantages
- 03 Industrial applications
- 04 Key hydrogen projects
- 05 Innovation ecosystem



Where the hydrogen value chain comes together

02

Strategic location advantages



MULTIMODAL PORT

Europe's 3rd-largest seaport and largest rail port



NORTH SEA ACCESS

Direct gateway to offshore wind and global H₂ imports



INDUSTRIAL CLUSTER

Aviation, shipping, metals, chemicals and refineries



ENERGY INFRASTRUCTURE

Connected to Germany's high-voltage grid



PIPELINE HUB

Node of Germany's H₂ Core Network and the European Hydrogen Backbone



POLITICAL COMMITMENT

Joint Northern German Hydrogen Strategy, Public funding and local co-investment in hydrogen

01

European pipeline access

NORTH SEA



SEABORNE IMPORTS

Ammonia
Liquid hydrogen

DENMARK
HyPerLink III

BALTIC SEA

NETHERLANDS
HyPerLink I

HAMBURG

GERMANY

Hydrogen Core Network

03

Industrial applications

AVIATION

Sustainable fuels and hydrogen aircraft testing

SHIPPING

Hydrogen and methanol bunkering

METALS

Decarbonising steel, copper and aluminium

CHEMICALS

Green hydrogen as feedstock

LOGISTICS

Hydrogen corridors for heavy-duty transport

Up to **47%**
of Germany's seaborne hydrogen
import demand could be handled
via Hamburg by 2045.

04

Key hydrogen projects

ELECTROLYSER

100 MW
up to
800 MW

One of Europe's largest scalable electrolyser sites: under construction, commissioning scheduled for 2027, €154 million IPCEI funding, can be extended to 800 MW

HH-WIN PIPELINE NETWORK

40 km
up to
60 km

Part of Germany's H₂ Core Network: under construction, commissioning scheduled for 2027, €126 million IPCEI funding, can be extended to 60 km

IMPORT TERMINALS

600,000
t/year

Planned throughput: approx. 600,000 t/year ammonia, liquid hydrogen import chain, methanol storage tanks

05

Innovation ecosystem

RENEWABLE ENERGY CLUSTER

320+ companies

HYDROGEN TECHNOLOGY WORLD EXPO

20,000+ visitors · 1,000+ exhibitors

Shaping Europe's **hydrogen future**

Unlocking hydrogen's value depends on creating the infrastructure, partnerships, and market conditions that enable large-scale adoption. Hamburg is uniquely positioned to make this happen.



ENERGY SECURITY

Reliable access to green hydrogen



INDUSTRIAL DECARBONISATION

Infrastructure for transformation at scale



CLIMATE-NEUTRAL FUTURE

Connecting renewable energy with industrial demand

LET'S CONNECT!

Explore your opportunities
in Hamburg's
hydrogen ecosystem.



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