

German H₂ core grid

Erik Kolstø

Head of business development H₂ and CO₂



OGE at a glance

One of Europe's **leading gas transmission system operators**

Sole responsibility for the **operation, control, expansion and marketing** of the company's pipeline network

2004

Established as E.ON Gastransport

1 September 2010

Renamed OGE

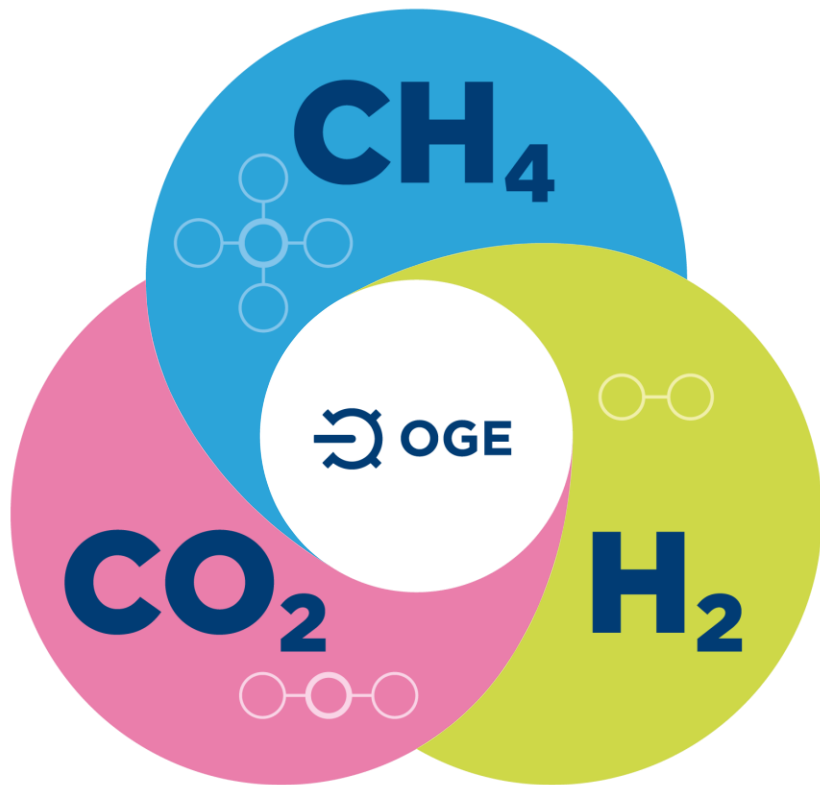
More than **2,000 employees**

at OGE Group across Germany.

Head office: Kallenbergstraße 5,
45141 Essen, Germany

Some **450 German and European customers**

Our three business areas



CH_4 Ensuring security of supply

H_2 Using OGE's core competences in a new business area

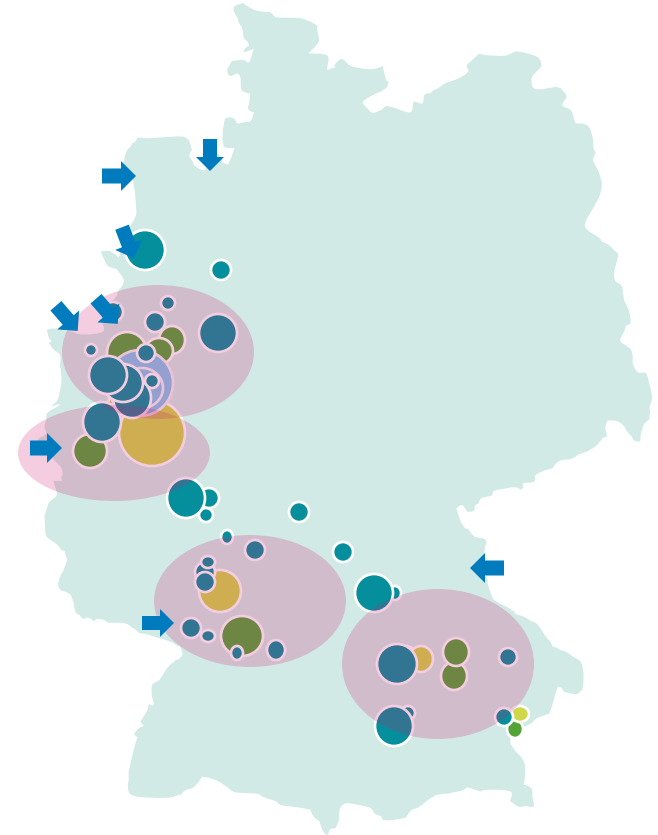
CO_2 Offering a solution to achieve net zero also for hard-to-abate emissions

Core grid development based on market surveys

We try to connect sources and sinks

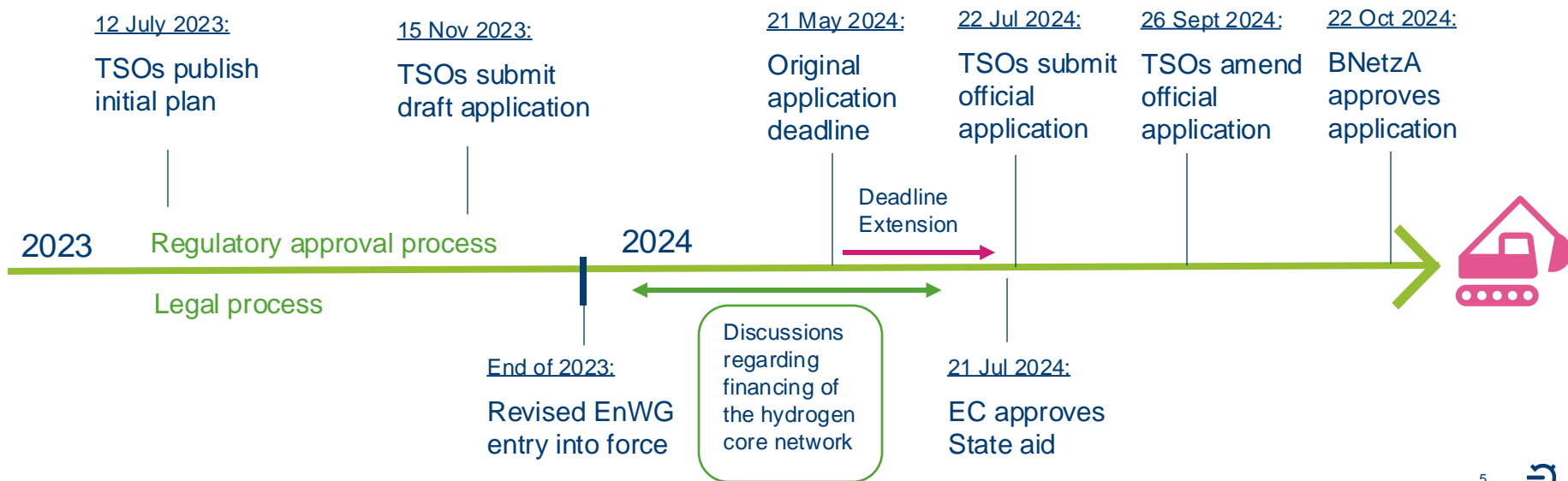


- Steel
- Chemistry
- Refinery
- Power stations



Core Grid: A long and windy road...

- 15 months from publication of initial core grid plan until core grid approval
- Key issues:
 1. Financial terms of the hydrogen core network
 2. The core grid network itself

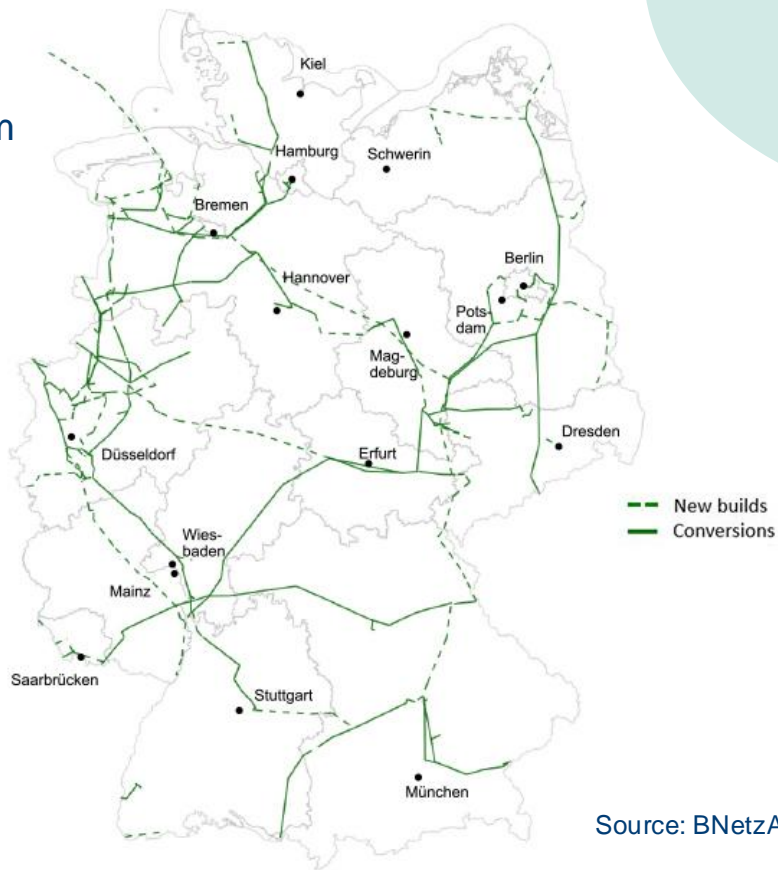


German Core H2 Grid has been approved!

Approved hydrogen core network

Key figures

- Total pipeline length: approx. 9.040 km
 - Thereof repurposed: approx. 60%
- Investment costs: € 18.9 billion
- Compressor capacity: 291 MW
- Feed in capacity around 101 GW
- Exit capacities around 87 GW



Source: BNetzA



GET H2 – A Pioneer Project



> Commission approved IPCEI Hy2Infra



> Funding notification



> Implementation: Financing, construction, marketing

91 km Repurposed pipelines

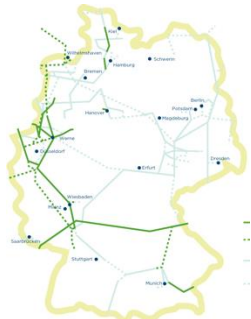
62 km New pipelines

2025 initial H2 transport

2028 international H2 Transport

Successful start, but more steps to follow

Infrastructure



Transmission



Core Grid



Storage



Storage
strategy
expected in
Q1/25



Distribution



To be done

Supply and demand



Supply




Work in
progress



Demand



Work in
progress



We bring
the energy.

