



A Piece of the TECH.LAND Puzzle

Hydrogen Region Emscher-Lippe

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Hydrogen Region Emscher- Lippe



**Hydrogen
Region
Emscher-
Lippe**



Hydrogen Ecosystem Emscher-Lippe Region

- Largest producer & consumer of hydrogen in Germany and Europe
 - Excellent infrastructure
 - Hub for research, development and production
- Ideal conditions for a fast, efficient, cost-effective market ramp-up



On the **Hydrogen** Track



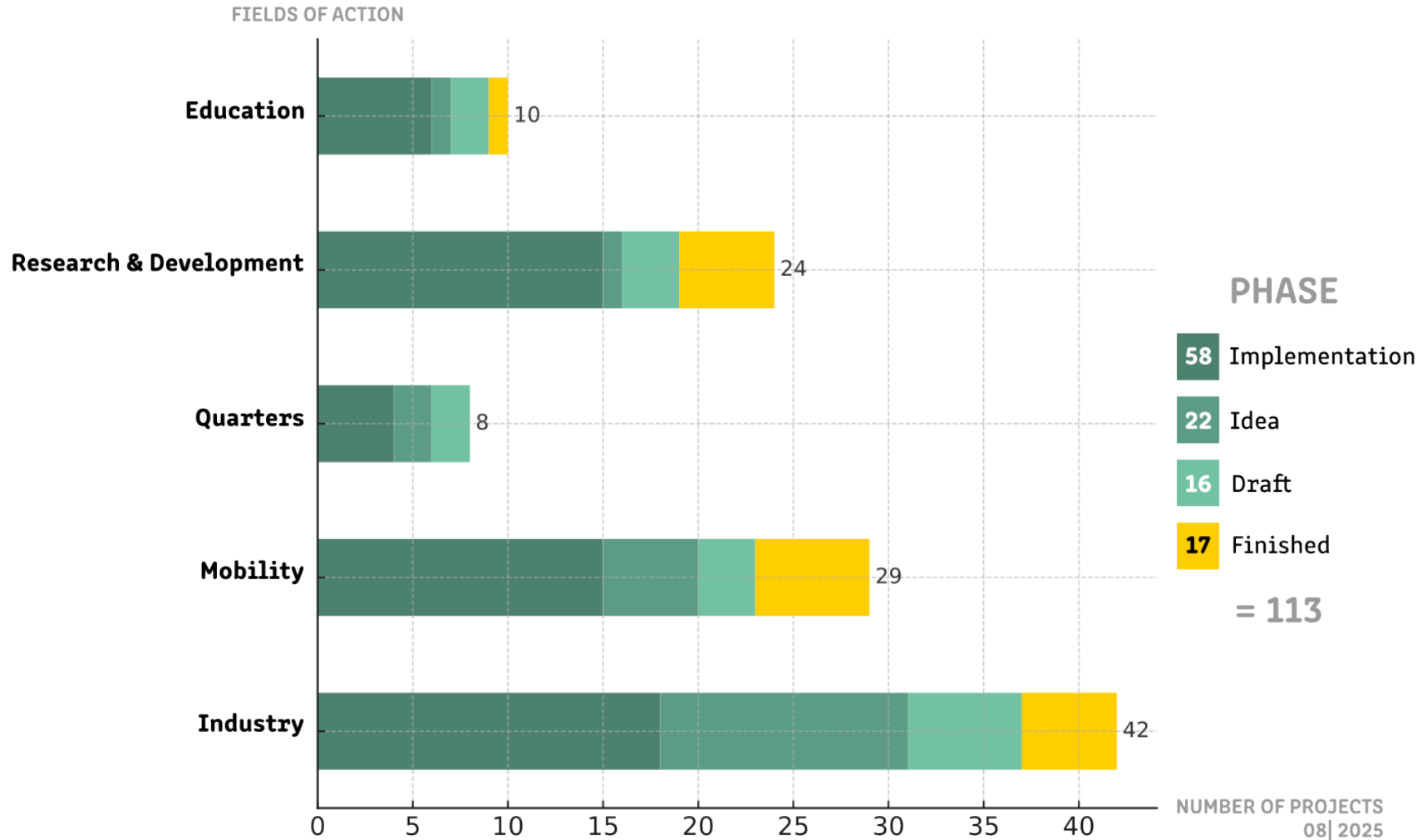
We know hydrogen

- Long history of hydrogen production and usage
- Applied research hubs
- Extensive fields of expertise
- Value chains: Large-scale industrial consumers, SMEs, municipal enterprises

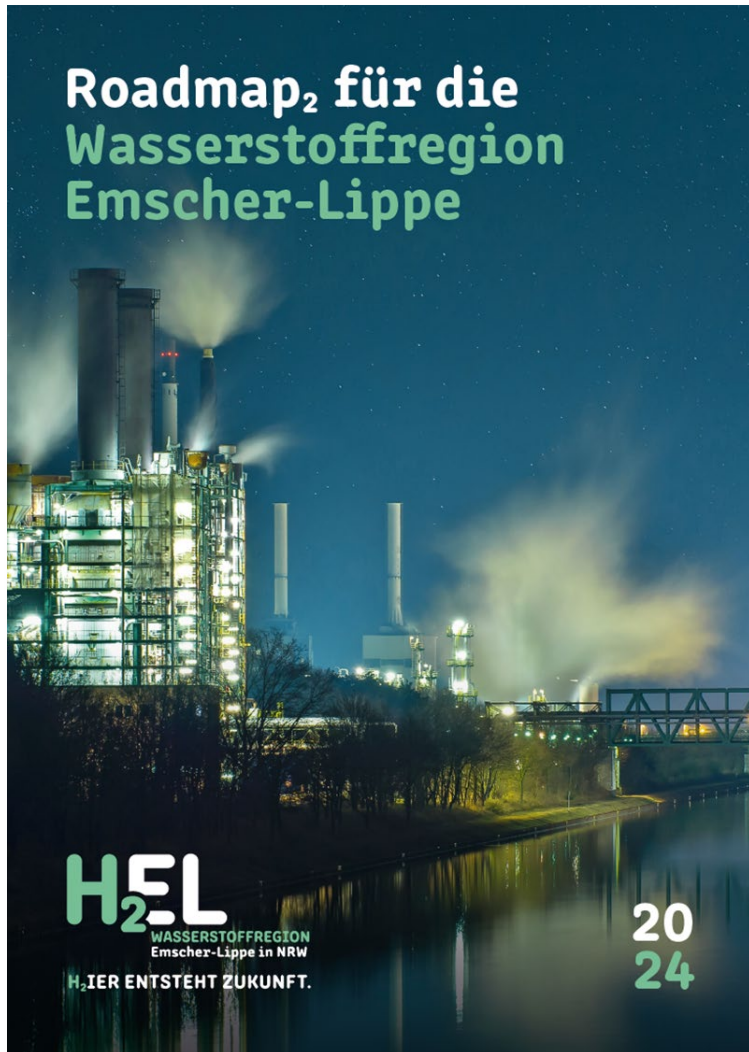
We need more hydrogen

- **Energy-intensive basic materials industry**
 - 200,000t demand by 2032 annually
 - 60,000 manufacturing jobs
- **Green production potential: wind power, waste-to-energy plants, by-product hydrogen**

Hydrogen Projects | Emscher-Lippe Region



The 2032 Vision



<https://www.emscher-lippe.de/wasserstoffkoordination/>

Chemical Park Marl

H₂EL
WASSERSTOFFREGION
Emscher-Lippe in NRW



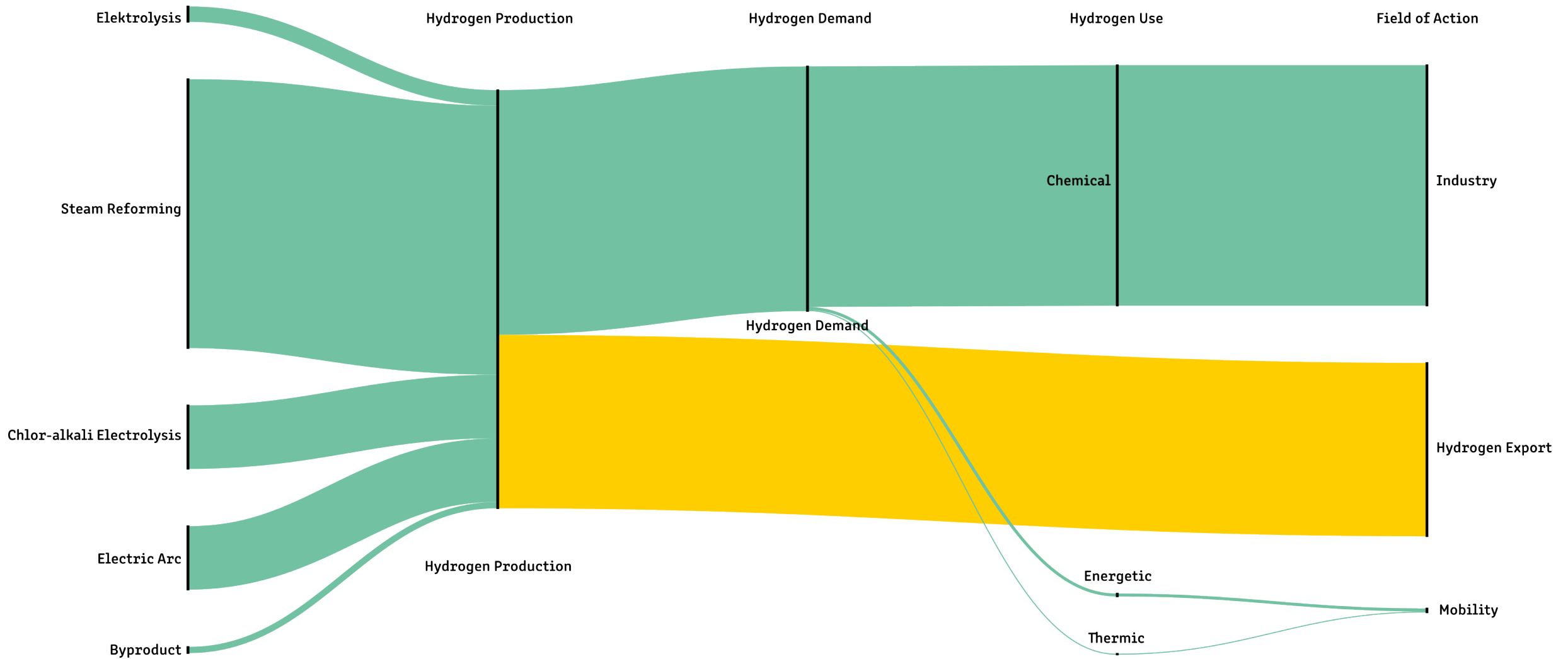
Hydrogen Competence Center Herten



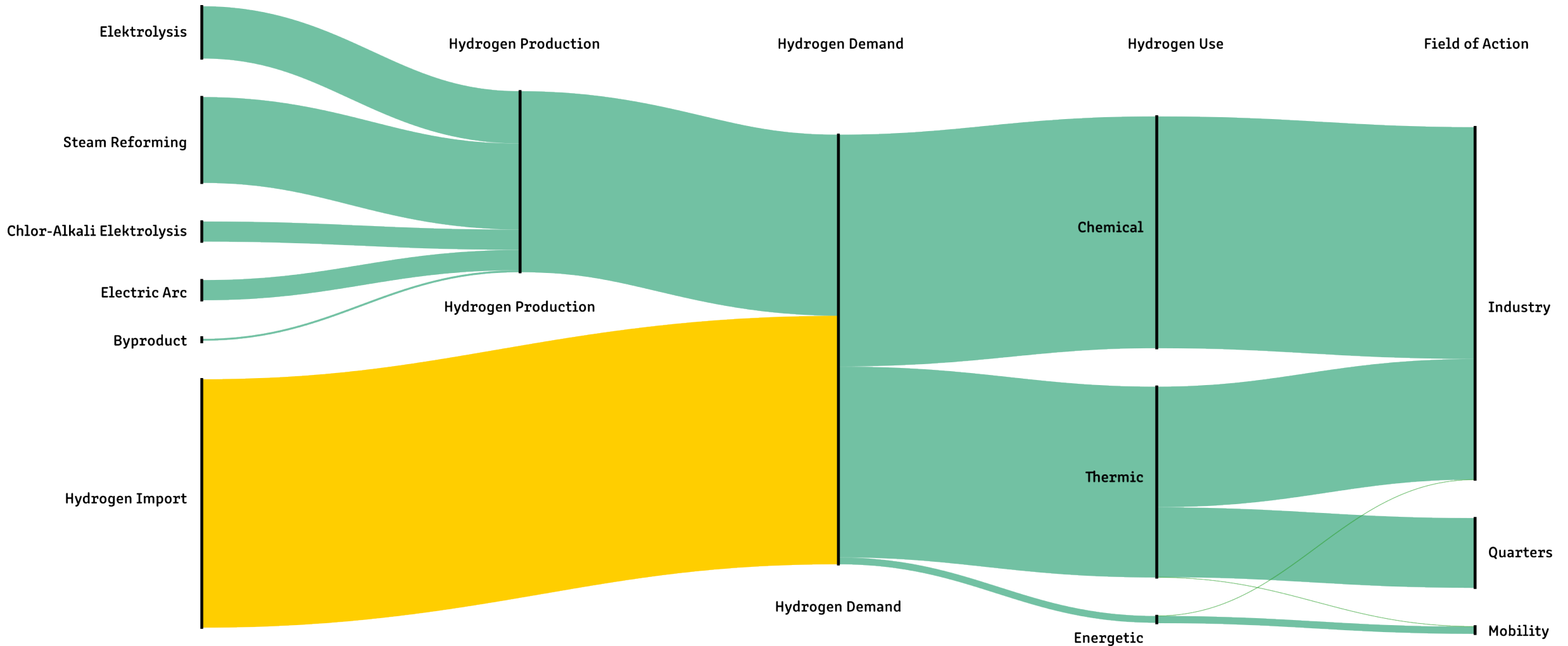
Climate Port Gelsenkirchen



Production - Demand - Use | 2024



Production - Demand - Use | 2032



Better together

Cross-Border Cooperation

- Shared infrastructure & transport routes
- Scale & market creation
- Complementary strengths
- Synergies in planning & politics
- Economic growth & employment
- Climate targets
- Security & supply

DUTCH – GERMAN
TECH.LAND



Hydrogen Cluster

From **Regional** Momentum to **European** Strength



**Stable
long-term
frameworks**



**Cross-border
infrastructure
planning**



**Simplified
permitting
processes**



**Research &
Training**



**Cross-
communication**



**Raising
awareness**

DUTCH – GERMAN
TECH.LAND



Thank you for your attention.

Contact

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