

H₂ as a Key Technology for a Green Future

German-Japanese Business Seminar

June 2025 Nikolaus BOLTZE

engineering.tomorrow.together.



thyssenkrupp

Thyssen and Krupp has a long history together with Japanese partners



1930: Visit to Villa Huegel in Essen by Dr. Hikoyata Iwasaki



1953: Crown prince Tsugo No Mija Akihito visits August Thyssen-Hütte AG in Duisburg.



1964: Tokyo / The Monorail was built under license of Krupp Alweg GmbH



1959: Sophia University in Tokyo / Opening of the Krupp Hall by Alfried Krupp von Bohlen und Halbach



Pictures: © by thyssenkrupp Konzern Archiv / Historisches Archiv Krupp / N. Boltze

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thyssenkrupp and H₂

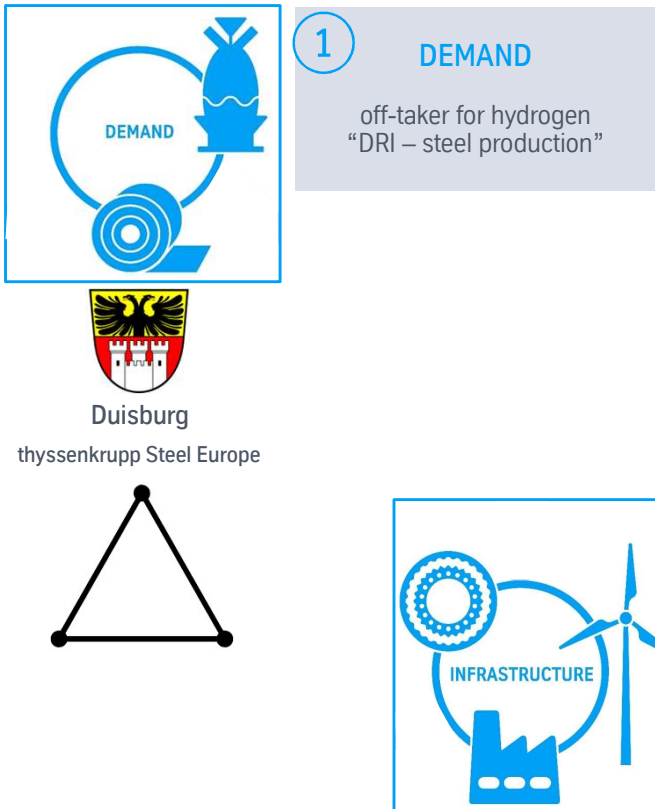
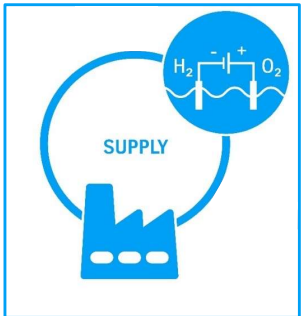


Dortmund
thyssenkrupp nucera

2

PRODUCTION

Manufacturer of electrolyzer modules





Lippstadt
thyssenkrupp Rothe Erde

3

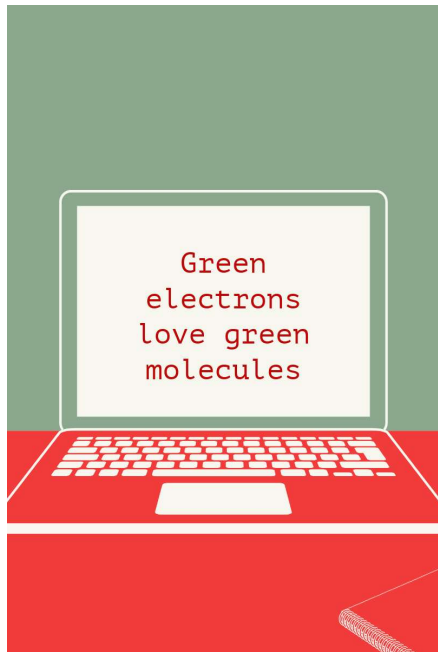
INFRASTRUCTURE

Bearings for wind turbines

NRW – the place to be



Ecosystem for future (green) technologies



- Academia & Research
 - Universities
 - Fraunhofer Institute / Max Planck
 - others
- Infrastructure
 - (H₂) pipeline,
 - electric grid,
 - port-facilities,
 - storage capacity
 - last-mile solutions
- Production, supply-chain, off-taker



Challenges ...



... to overcome with strong partners from Japan



Thank you!



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