




Change the game of energy!

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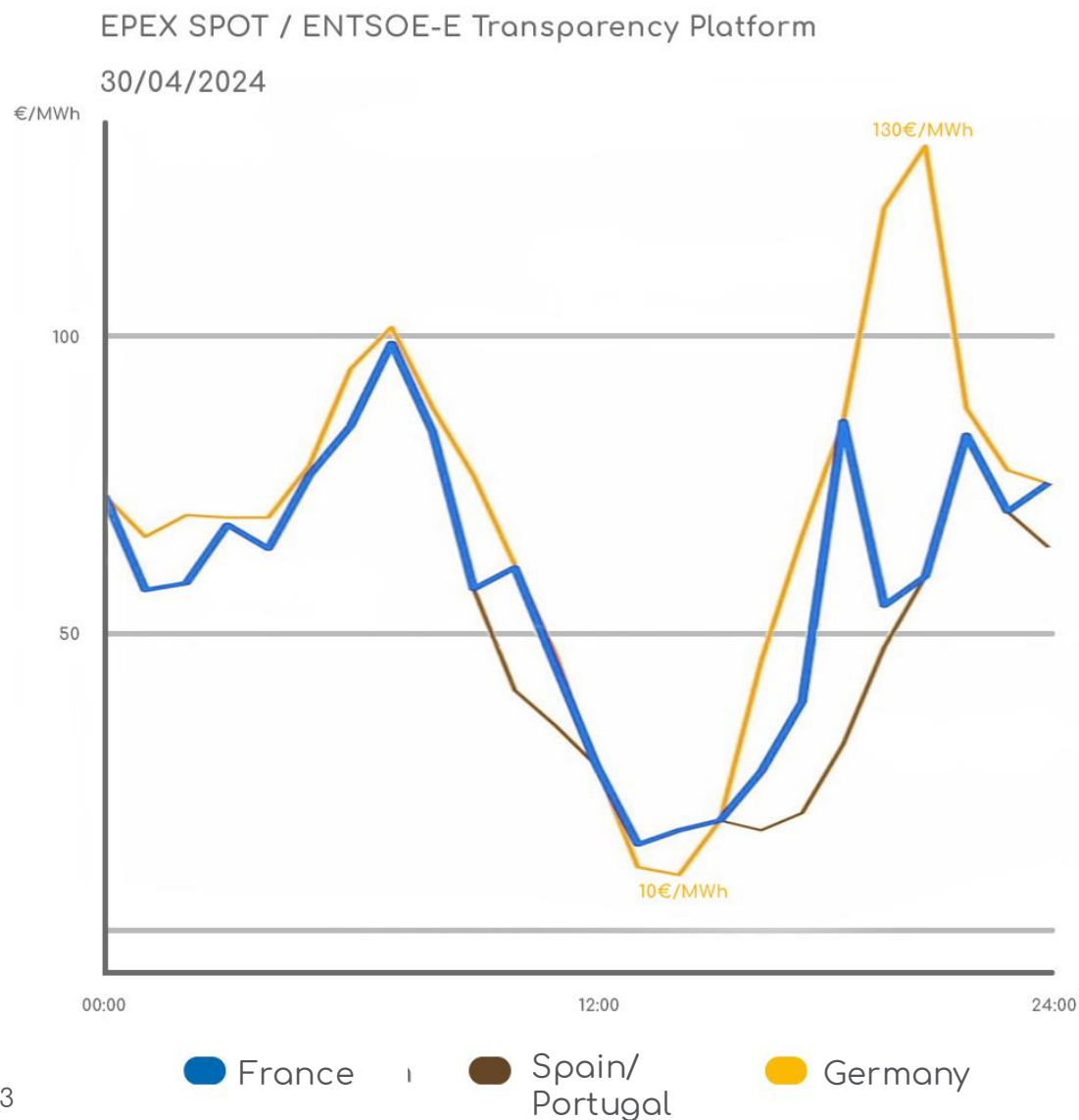
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Czech Hydrogen Backbone Dialogue



Welcome to the Era of Electricity,
where even the needed molecules will be generated by electrons.

Is curtailment a problem or a potential?

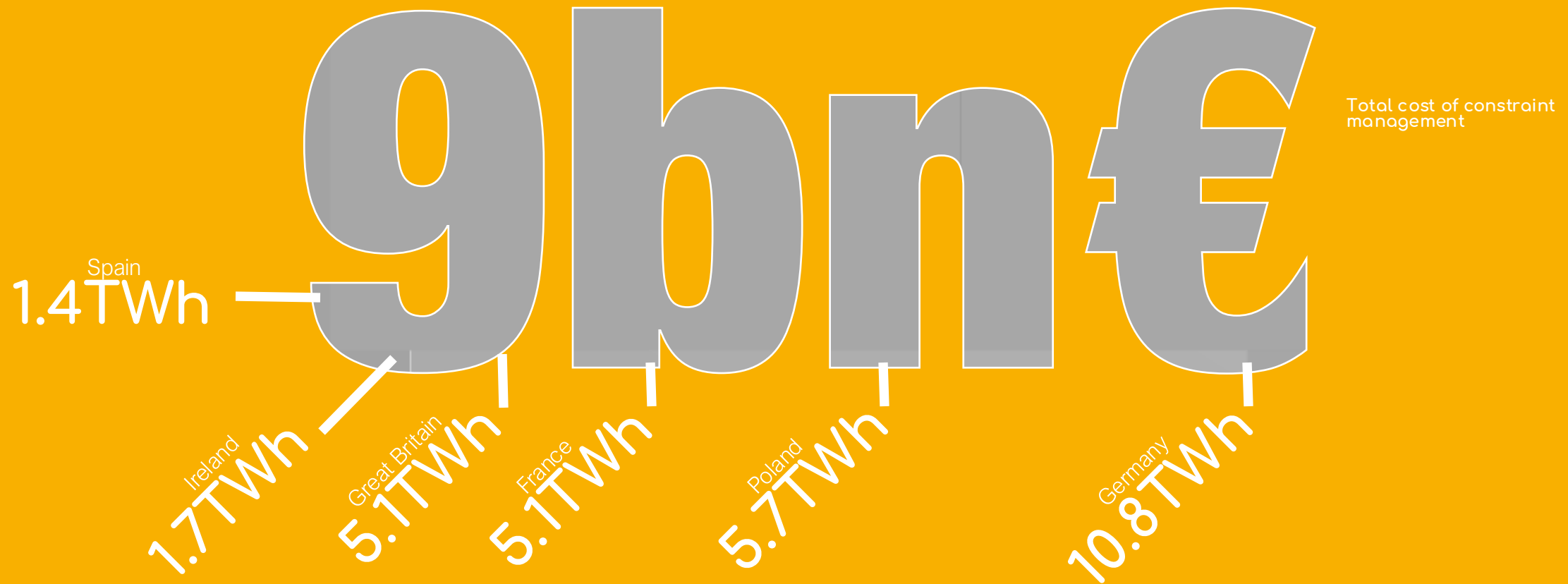


RES are growing rapidly, but the capacity of power grids cannot follow.

Expensive gas and coal power plants need to be activated, even if RES are still available.

Today, the energy storage potential of green hydrogen is not taken into account.

Curtailment is a problem:
increases the cost of electricity bills.

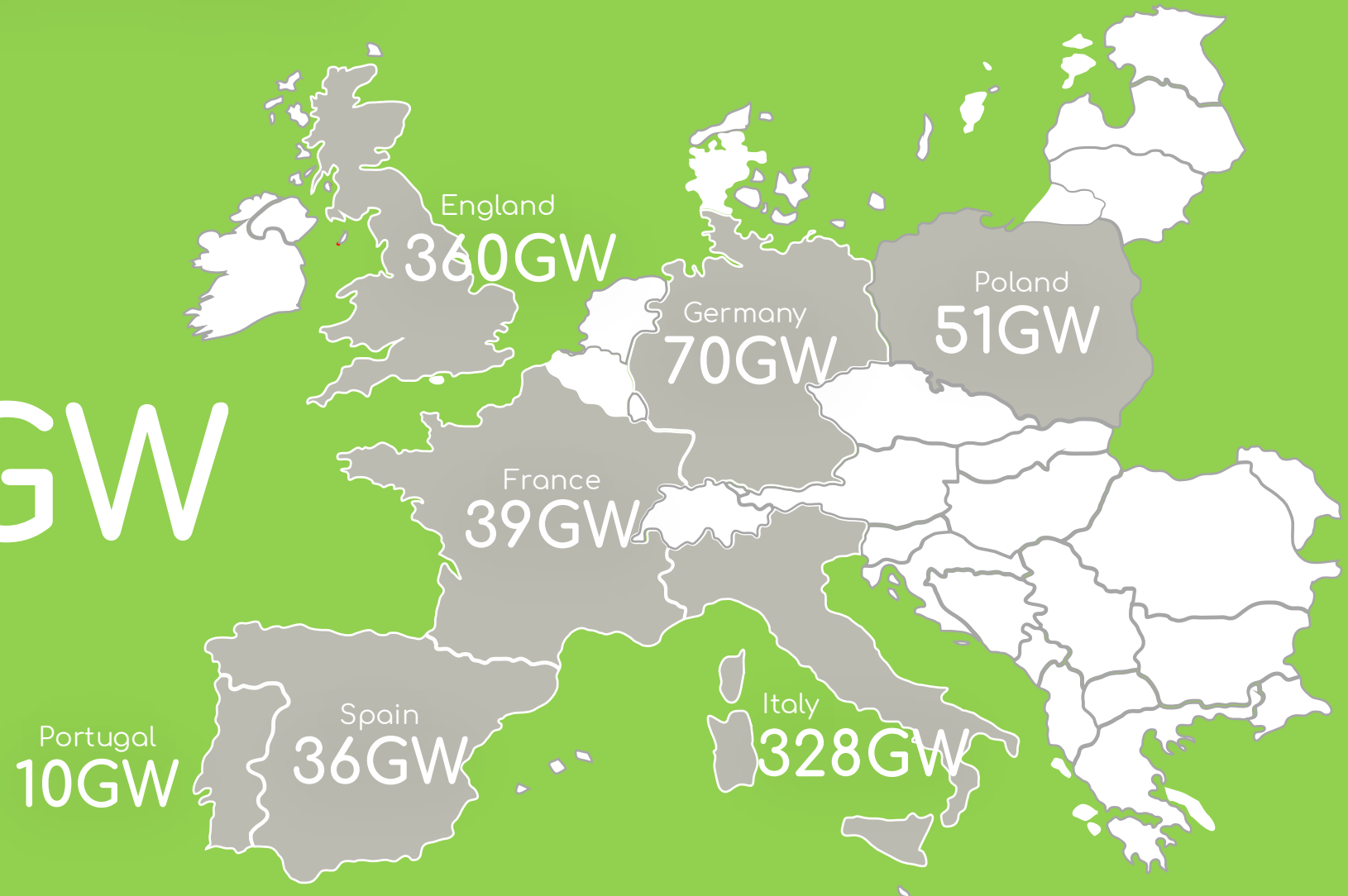


Curtailment is a problem:
delays the connection of new RES.

HH2E

900GW

900 GW of capacity is still awaiting across Europe.

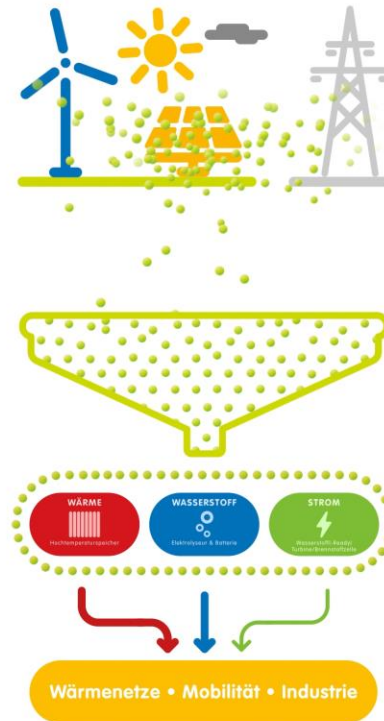


Curtailment is a potential:
if we can repurpose the unused electrons.

The HH2E-Werk is a pioneering technology mix that combines a high-capacity battery with an electrolyzer in a single unit, allowing the RES to remain working even when the grid cannot handle the excess power.



HH2E - approach



A HH2E-Werk with an electrolyser capacity of 100 MW can save up to 20 million euros per year in costs for feed-in limitations and redispatch.

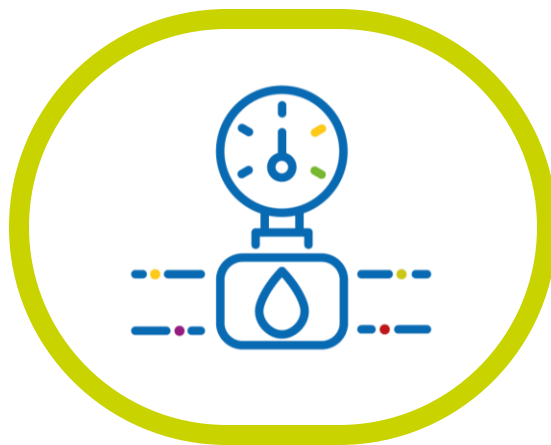
- Reduces costs
- Enables more RES

How does our green hydrogen reach our customers?



Tank trucks

Trailer logistics for our customers, which transports the hydrogen to the desired location, but for 120 km maximum distance.



Gas blending

Our customers obtain H2 as an admixture from the natural gas grid anywhere in Germany.



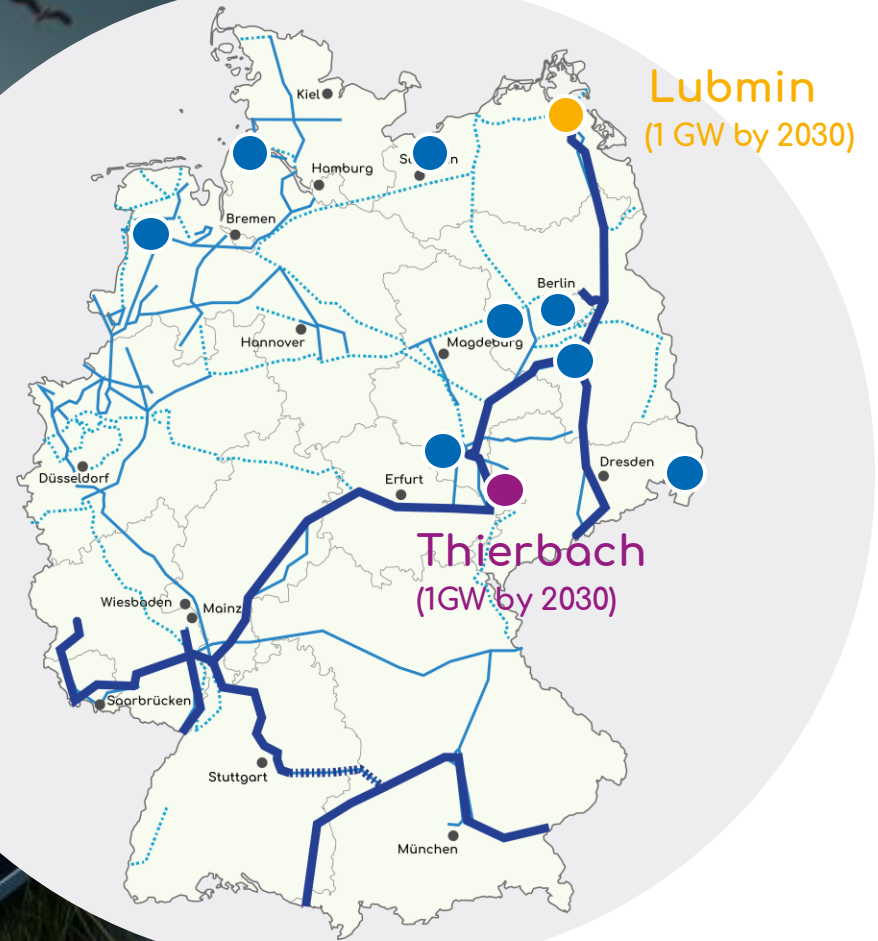
Hydrogen network

Connection to the public hydrogen core network, which can extend to a direct connection via a private H2 pipeline.

Core pipeline network: The hydrogen economy true enabler.



The pipeline infrastructure and access to curtailed renewable power determined the HH2E's choice of locations.





Pre-FID HH2E-Werk Lubmin

One of the most advanced green hydrogen production projects in the world.

Making the hydrogen economy work.

Thank You!