## **Rapidfire: Ammonia for Steel**

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engineering.tomorrow.together.

### Technologies from thyssenkrupp for the Hydrogen society • They are all connected





#### With Hydrogen to climate-neutral steel

The thyssenkrupp routes to climate-neutrality



## Green ammonia as energy carrier – Set up along the whole energy supply chain

The complete solution from one source



#### Hydrogen from Ammonia - Ammonia cracking

thyssenkrupp Uhde developments



• Based on Uhde's well proven SMR prop. equipment

- High catalytic NH<sub>3</sub> conversion to H<sub>2</sub> (Over 98%)
- Purities adaptable to requirements of user



- Best Available Techn. for flue gas cleaning  $(NOx/N_2O)$
- Low turndown ratios possible (below 10%)
- Designed for large scale solutions over 3,000mtpd



Thank You

# **Questions?**

