An aerial night view of a city skyline, likely Dubai, featuring numerous illuminated skyscrapers and light trails from traffic on a highway below. The scene is dominated by blue and white lights from the buildings, with warm orange and yellow light trails from the traffic. A large white curved shape on the left side of the image contains the text.

# Application for renewable gas in the steel industry

Tomas Hirsch

Director Energy & ETS SSAB AB

SSAB

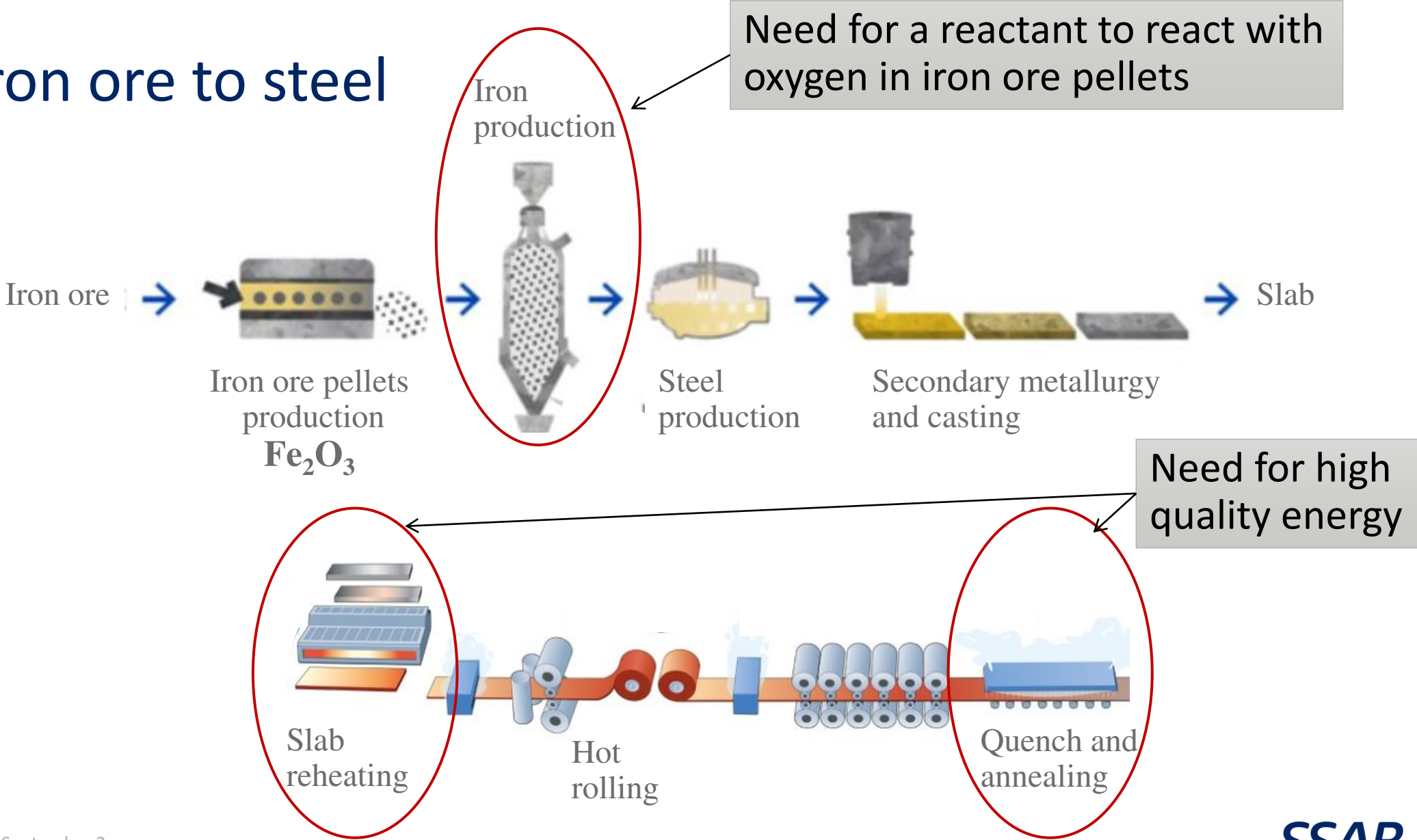
FIRST IN

**F**  **SSIL**

**FREE**

STEEL

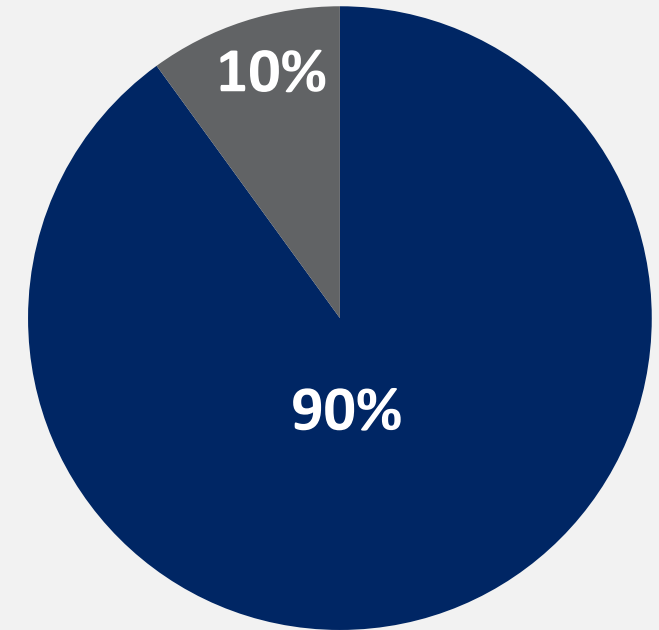
# From iron ore to steel



# Emissions from iron production are the steel industry's major challenge

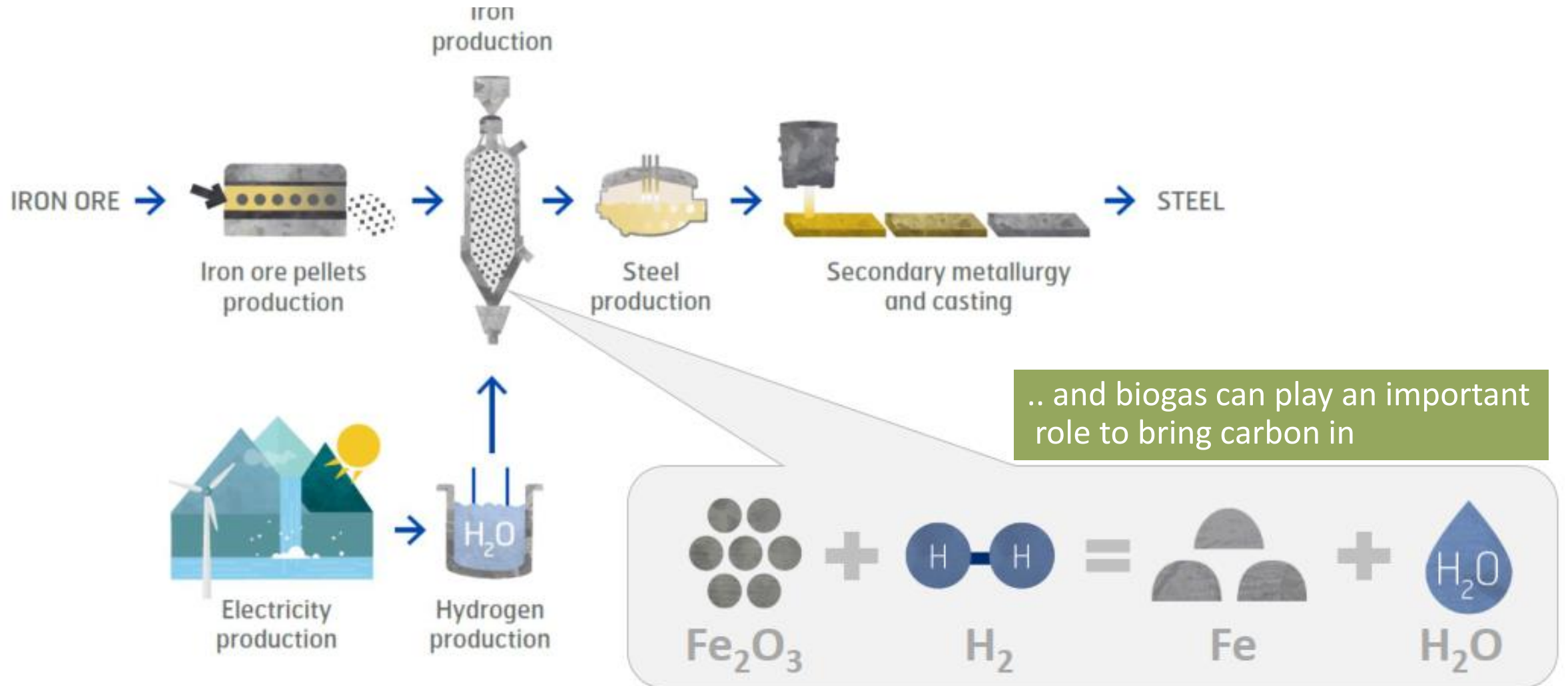
- Fuel-related emissions can be reduced by improving energy efficiency and using biofuels or electricity
- Emissions from the fuel in the processes and internal transportation represent only a limited part of total emissions
- Breakthrough technologies are needed to replace coal as a raw material for steel production

CO<sub>2</sub> emissions – SSAB



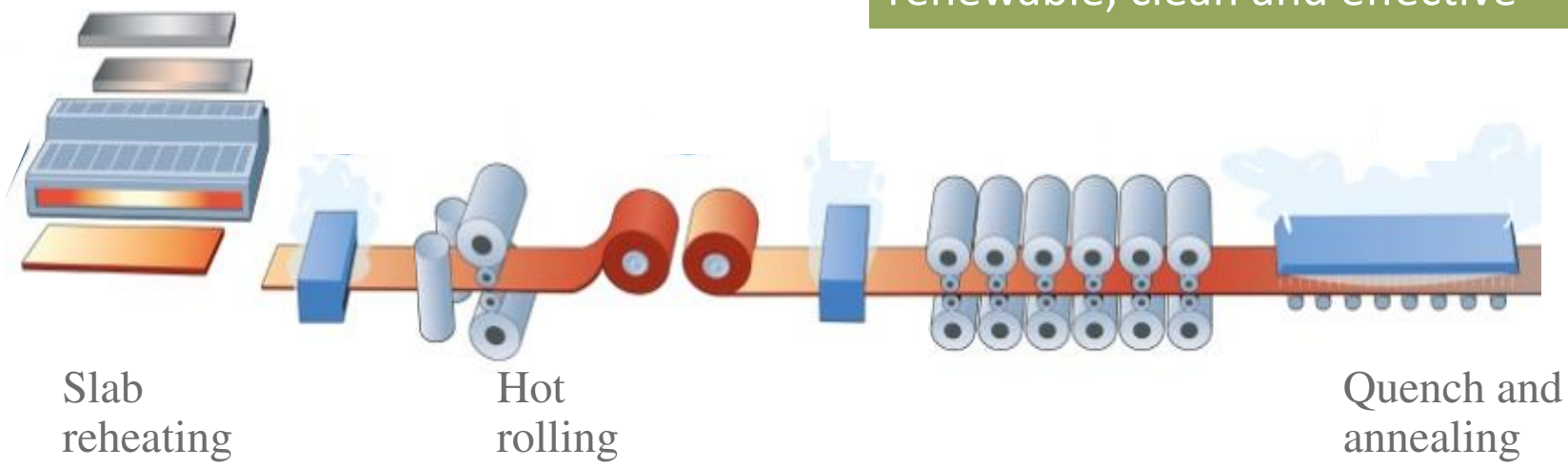
- Raw material related
- Fuel related and internal transports

# Emissions from iron production can be eliminated with hydrogen...



# Biogas is the key for steel processing, making our products fossil free

biogas is an excellent fuel for steel industry, renewable, clean and effective



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*A stronger,  
lighter and more  
sustainable world*