

ESTEP 2025 Annual Event

28-30 October 2025
Udine (ITALY)

How decarbonisation, digitisation
and circular solutions forge the
sustainable European steel future?

Paul Tockert
SMS Group
Executive Vice President

DECARBONIZATION SOLUTIONS FOR THE INTEGRATED STEEL PLANTS: FIRST OF THE KIND INSTALLATIONS



DIGIMET

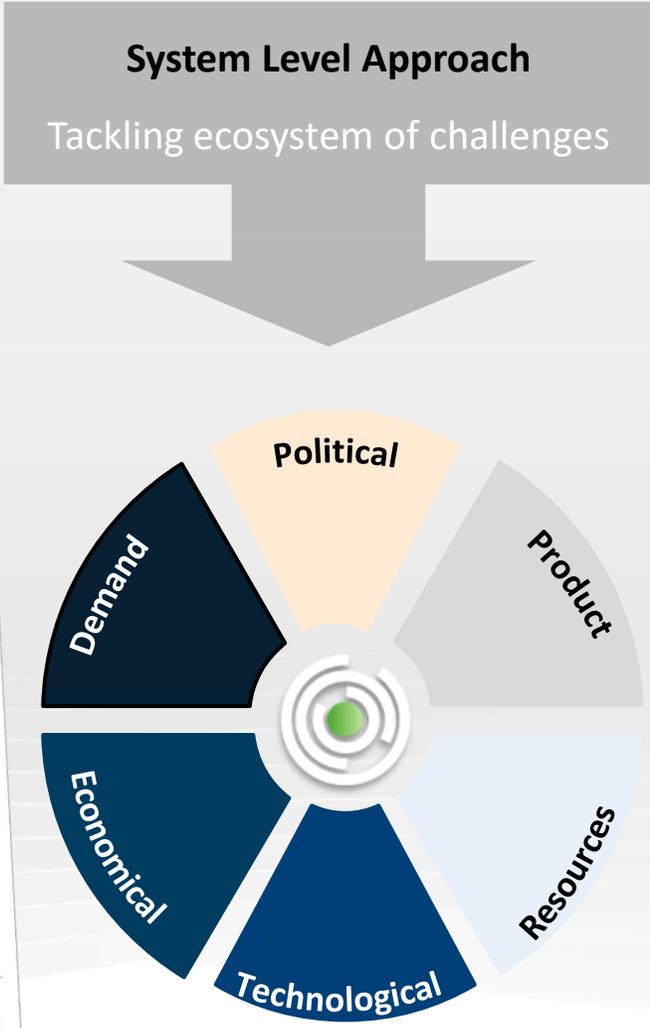
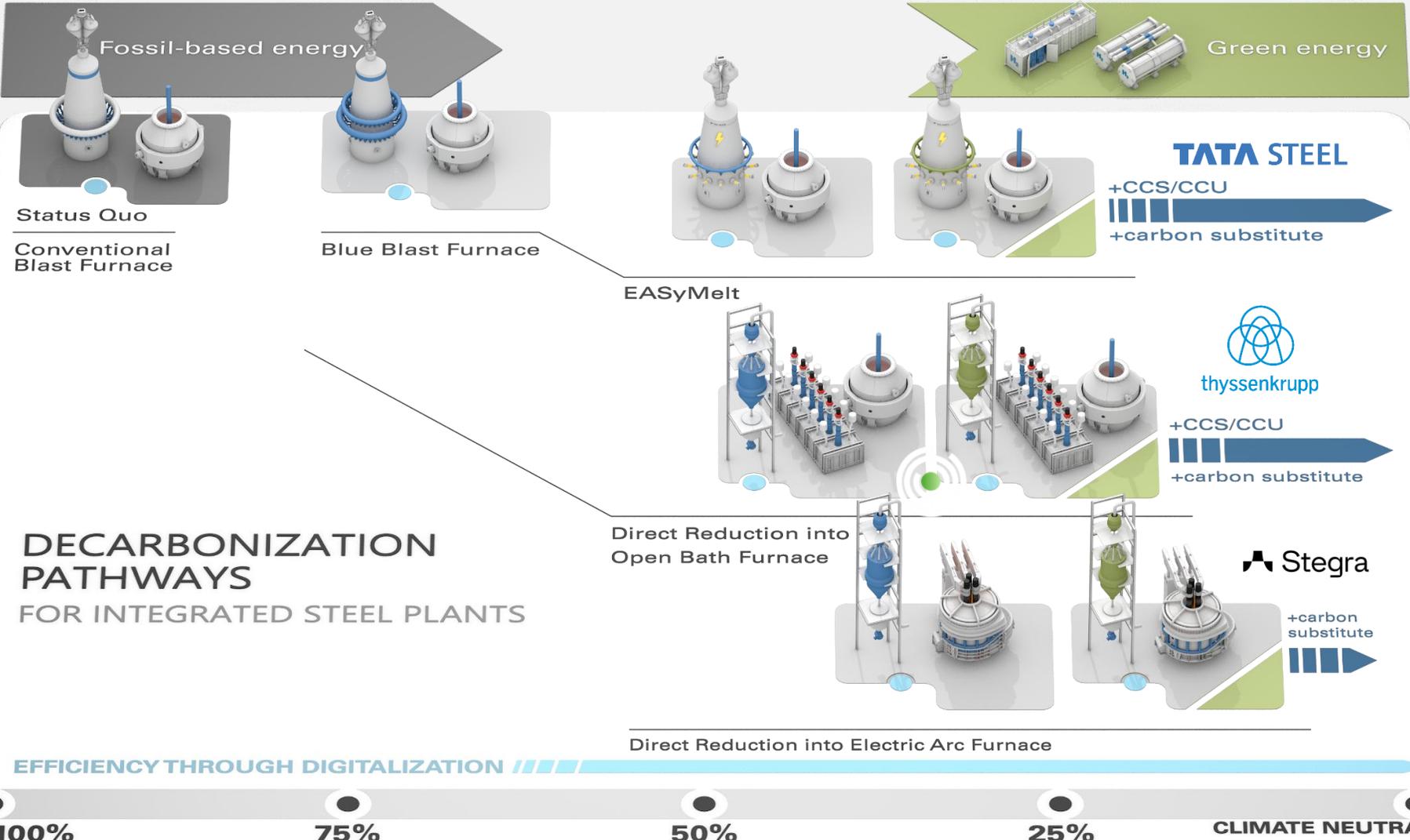


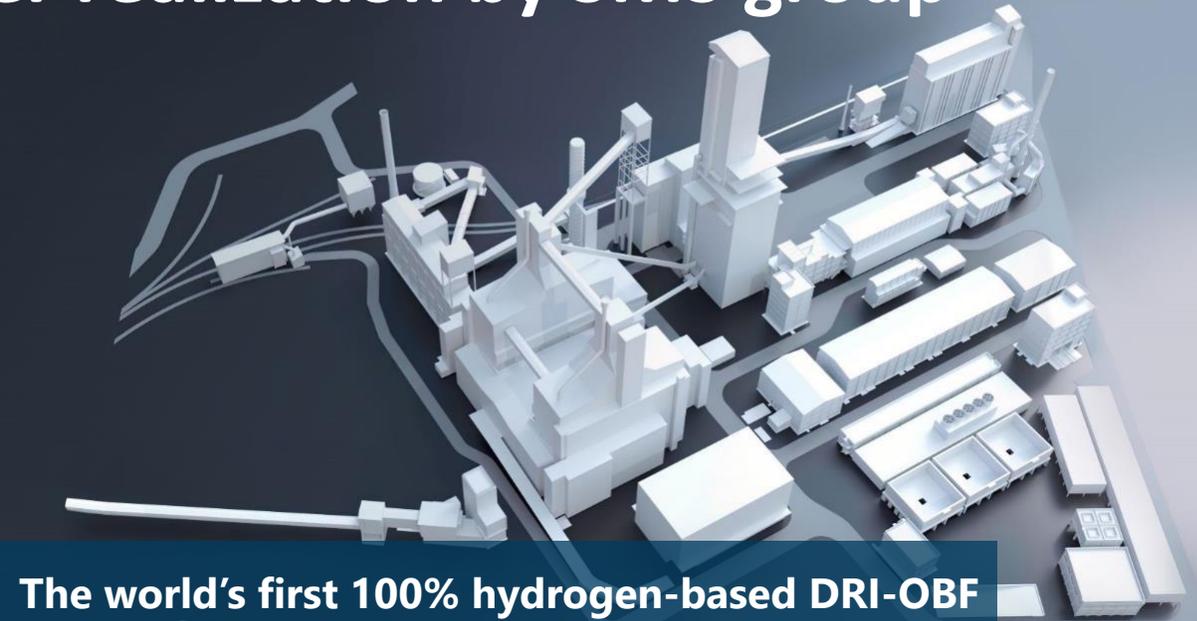
DANIELI AUTOMATION



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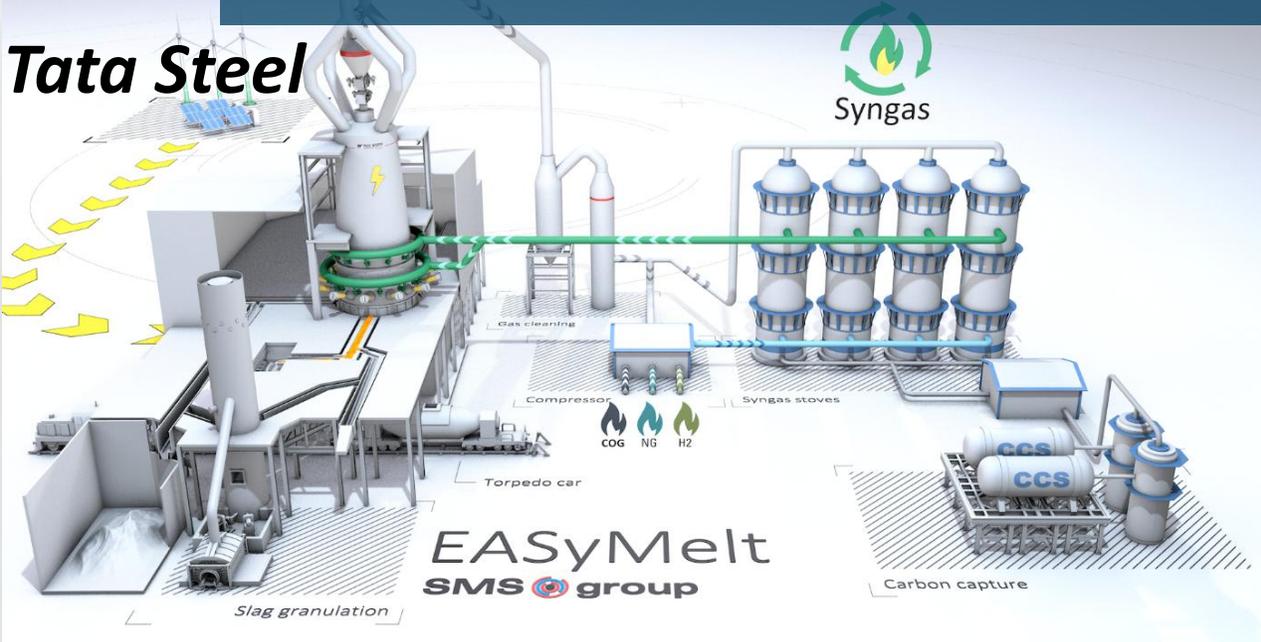
SMS Group Supports All Routes to Enable Decarbonize Steel Production





The world's first 100% hydrogen-based DRI-EAF
The world's first >70% CO2 emission reduction BF

The world's first 100% hydrogen-based DRI-OBF
One of the world's biggest and flexible AC EAF

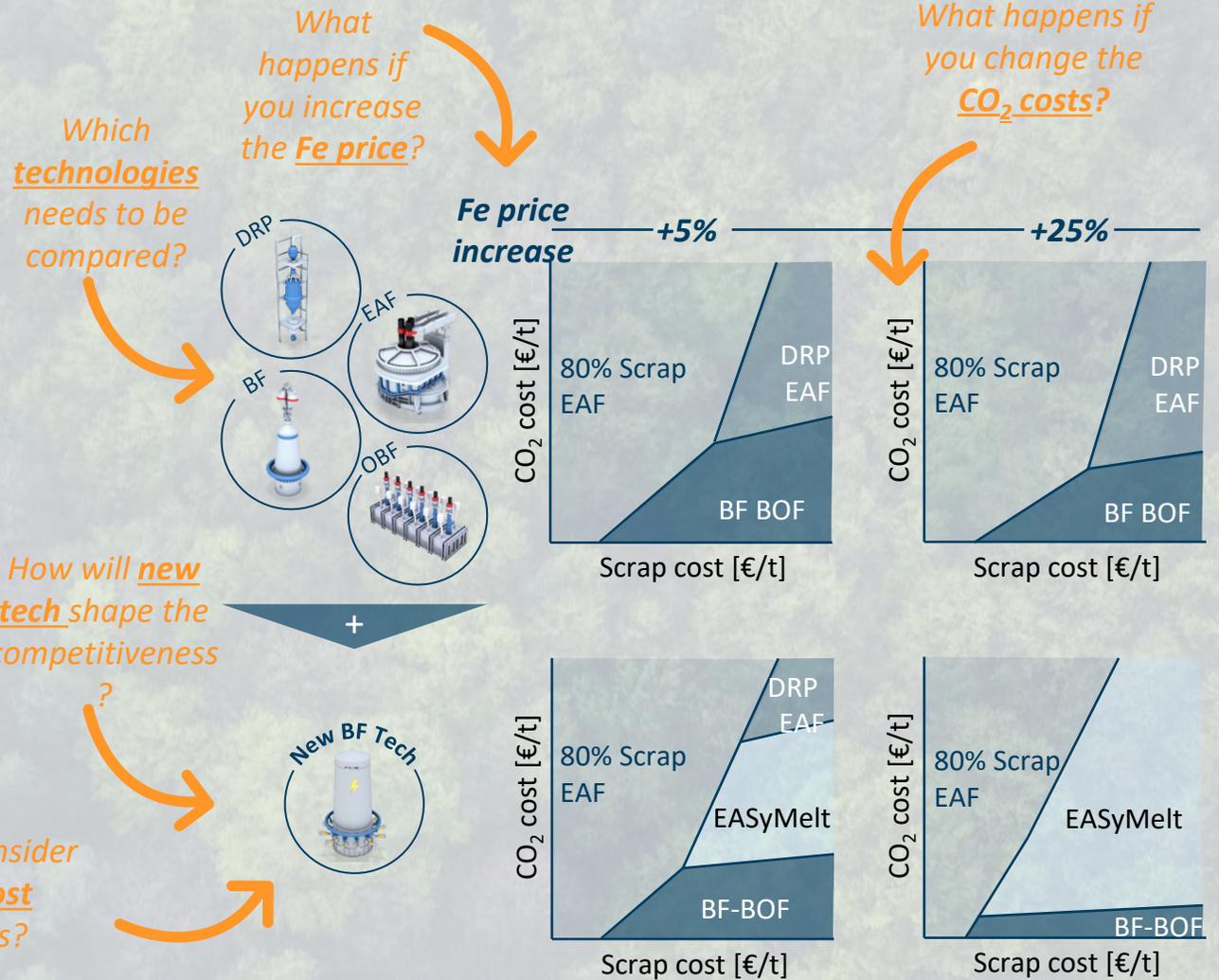


Innovation starts in the Simulation-Assisted selection of production routes



Plant Assessment
Tool

We map the
minimum OpEx
Technologies!



SMS group

Plant Assessment Tool

Strategy Blueprinting

We provide expert guidance to identify the most suitable technologies tailored to local conditions as well as your requirements and objectives!

CO₂ Impact Assessment

Our tool evaluates the carbon footprint implications (Scope 1,2, 3) with different energy sources and emissions factors to assist your conscious decisions!



OPEX Analysis

We offer a comprehensive analysis of the operating costs associated with different raw materials, enabling customers to optimize their operational budgets effectively.

Capex Analysis & Scenario Building

We build and evaluate various scenarios to optimize your steelmaking strategy and drive better decision-making!

Sensitivity Analysis

Our tool enables in-depth sensitivity analysis to assess the impact of variable factors on CO₂ OPEX and electricity consumption

