



Green Steel

OPPORTUNITY DESCRIPTION

وزارة الاستثما

Ministry of Investment

Build a world-scale plant of ~4 Mtpa green hydrogen-based steel slabs production. The plant will leverage KSA's low-cost electricity to enable hydrogen-based DRI. The project will commence utilizing 30% green hydrogen for DRI at first, and scale up progressively to use 100% green hydrogen over a period of 5 years



MARKET DRIVERS

- Global green steel supply will reach ~2 Bn tons by 2025 and grow at ~14% CAGR while its trade will reach ~USD 260 Bn by 2025 and grow at ~9% CAGR, till 2050, driven by:
 - Stricter emissions regulations and govt. initiatives to decarbonize steel industry
 - Push from end-use customers to de-carbonize their supply chain
 - Ambitious targets of major steel makers to reduce their carbon intensity
- 100% green hydrogen based DRI-EAF expected to be technologically and commercially ready over the next 5 years, and is being piloted at industrial scale by several majors

KSA COMPETITIVENESS

5 - 7%



16 – 18 years

Period





Workforce

1.800 - 2.000