

MORE CIRCULARITY. LESS MINING



GREENIRON

GREENIRONS TECHNOLOGY WAS BORN 50 YEARS AGO



BREAKTROUGH PRODUCER OF 100% CO₂-FREE METALS

- 100% Hydrogen based
- Can produce iron from iron ore, waste and residuals
- Patent protected furnace and process
- Small scale and scaleable
- Iron and other materials
- Ready for commercialization
- Low CapEx, low OpEx



WE HANDLE A VARIETY OF RESOURCE MATERIALS



100% CO₂-FREE PROCESS DESCRIPTION



THE 100% CO₂-FREE PRODUCTION PROCESS

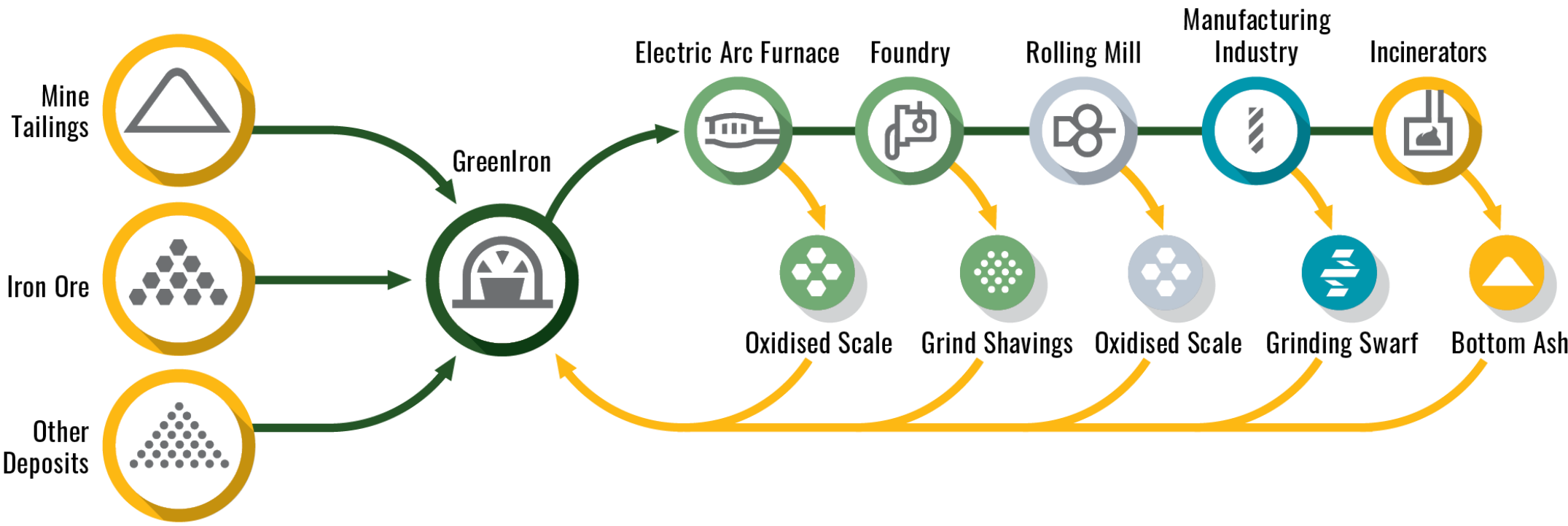
- Total energy/ton of hematite - 2.100 kWh
- Closed circuit solution
- No waste or residuals
- No emissions
- 3 Natural laws as main drivers
 - Gravity, temperature and pressure
- Low temperature
- Low maintenance
- Flexibility in regard to input material



THE GREENIRON MARKET

	Iron Ore	Filter Dust	Oxidised Scale	Grind Shaving	Grinding Swarf	Mine Tailings	Bottom Ash	Metal based Deposits
Mines	✓					✓		✓ (+REE)
Manufacturing				✓			✓	
Recycling		✓	✓	✓	✓	✓	✓	✓
Foundries	✓	✓		✓	✓			
Steel producers	✓	✓	✓	✓				

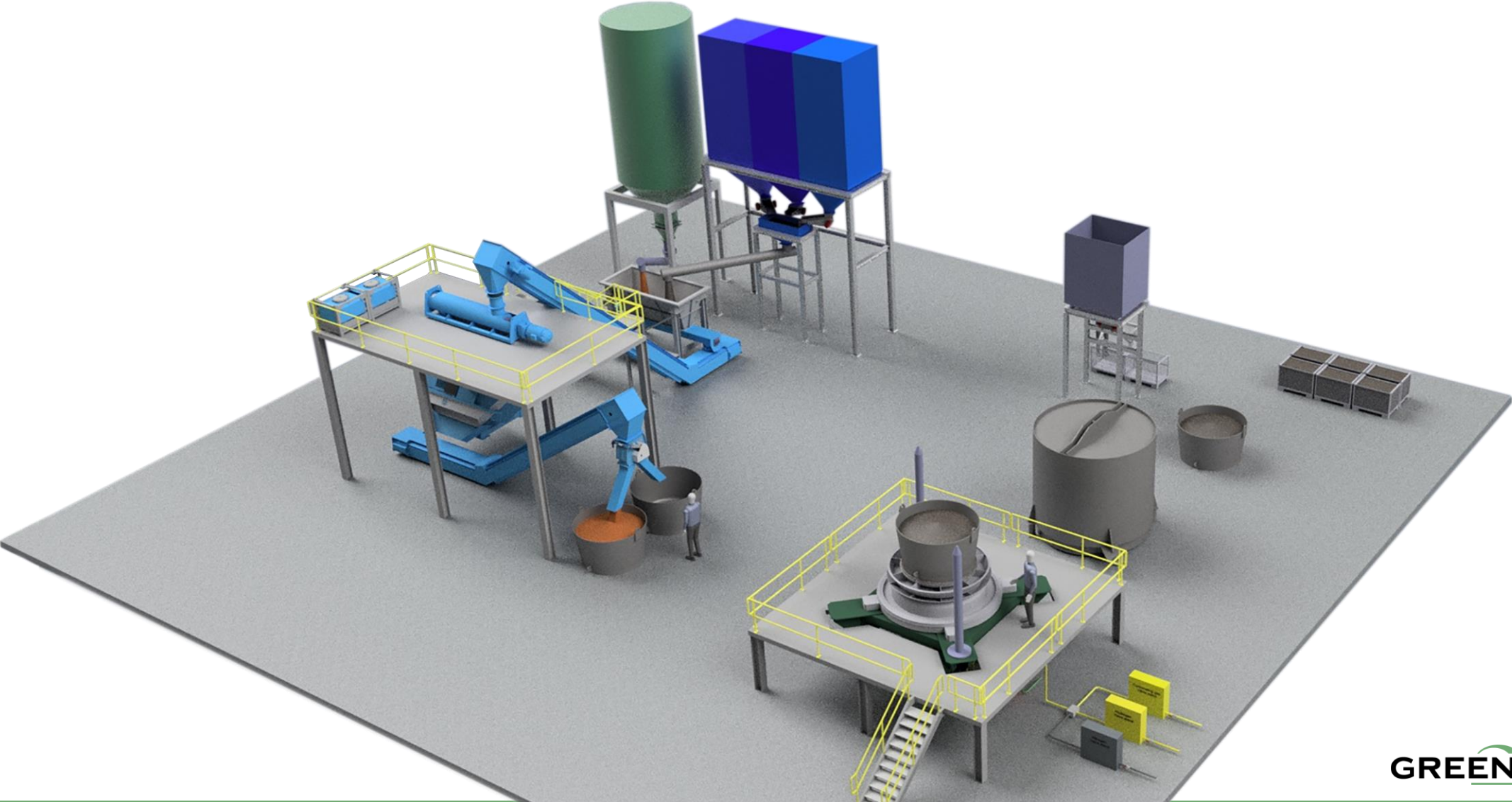
MATERIAL HANDLING THE GREENIRON WAY



GreenIron Demo furnace



VISUALISATION OF A GREENIRON



GREENIRON MARKET ADVANTAGES

- Technology proven and tested
- Multimineral capacity (iron, copper, nickel etc)
- No requirement of burned pellet
- Low energy consumption
- Stoichiometric - Low hydrogen consumption
- Small footprint
- Easy to scale
- Can price compete on LME
- Ready for market – first production plant Q4-2023



DON'T GAMBLE WITH SUSTAINABILITY IN THE METALS AND MINING INDUSTRY

CONTACT DETAILS

- Tanja Ilic /Edward Murray
- Mobile: +46 72 588 08 03 / + 46 709 80 50 46
- Email: [tanja.ilic@greeniron.se/](mailto:tanja.ilic@greeniron.se)
edward.murray@greeniron.se
- Visiting address: Kungsgatan 9, Stockholm

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