

# **MORE CIRCULARITY. LESS MINING**

Är deponier, slagger och avfall framtidens gruvor?

**GREENIRON**

# GREENIRONS TECHNOLOGY WAS BORN 50 YEARS AGO



# BREAKTROUGH PRODUCER OF 100% CO<sub>2</sub>-FREE METALS

- 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



# 100% CO<sub>2</sub>-FREE PROCESS DESCRIPTION



# THE 100% CO<sub>2</sub>-FREE PRODUCTION PROCESS

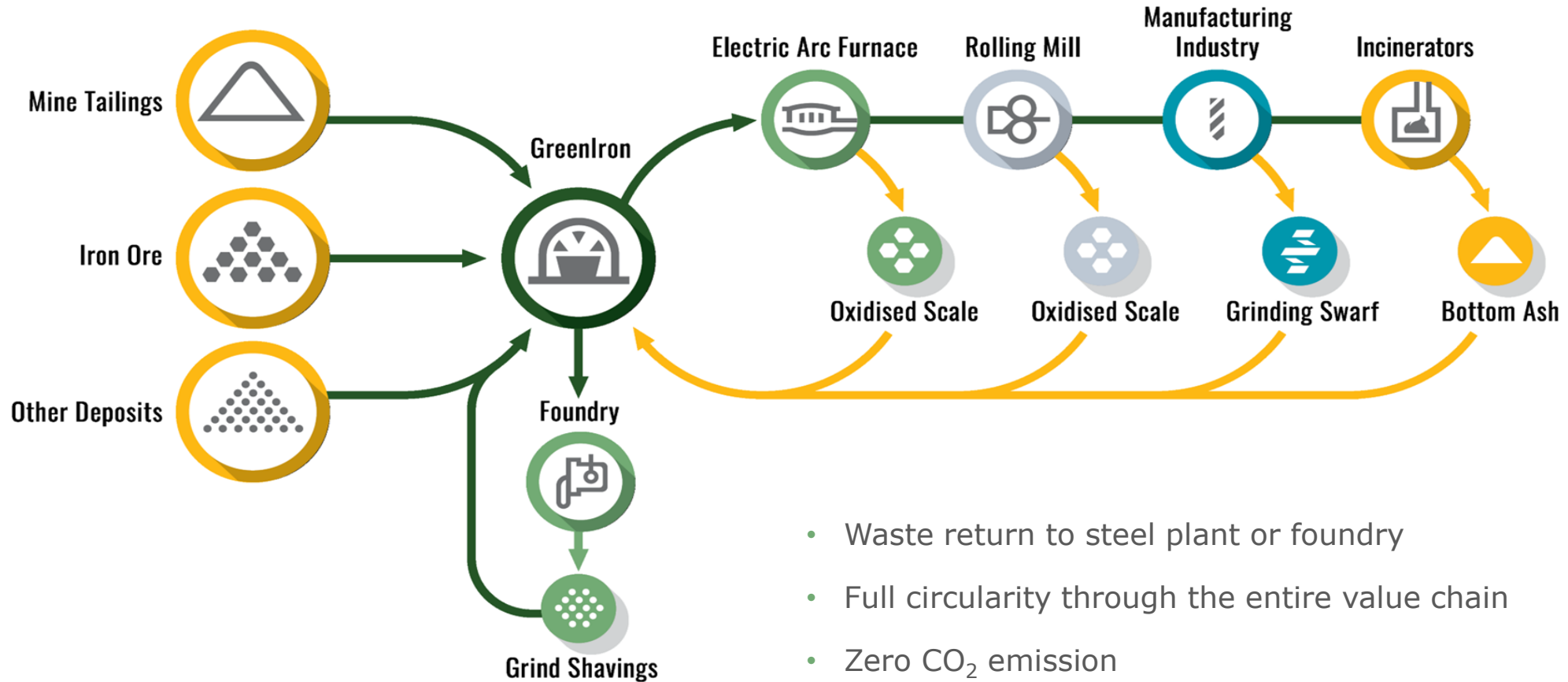
- Total energy/ton of hematite - 2.100 kWh
- Closed circuit solution
- No waste or residuals
- No emissions
- 3 Natural laws as main drivers
  - Gravity, temperature and pressure
- Low temperature
- Low maintenance
- Flexibility in regard to input material



# 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- KAN MAN GÖRA DENNA INTERAKTIV?



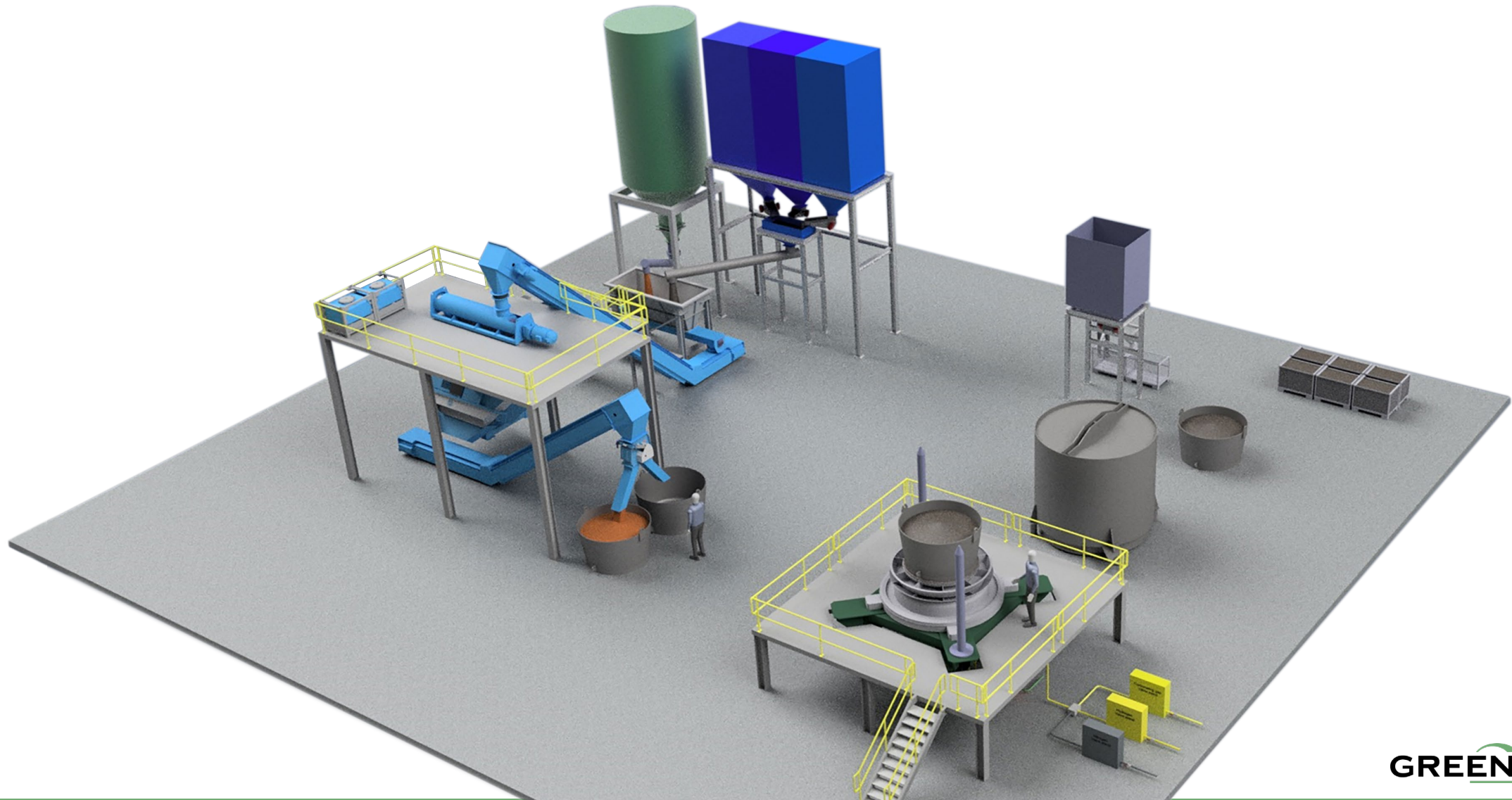
- Waste return to steel plant or foundry
- Full circularity through the entire value chain
- Zero CO<sub>2</sub> emission
- Energy efficient

# GreenIron Demo Kumla





# VISUALISATION OF A GREENIRON PLANT- KAN MAN DRA PEKAREN ÖVER ? MER INFO POPPAR UT



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

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