

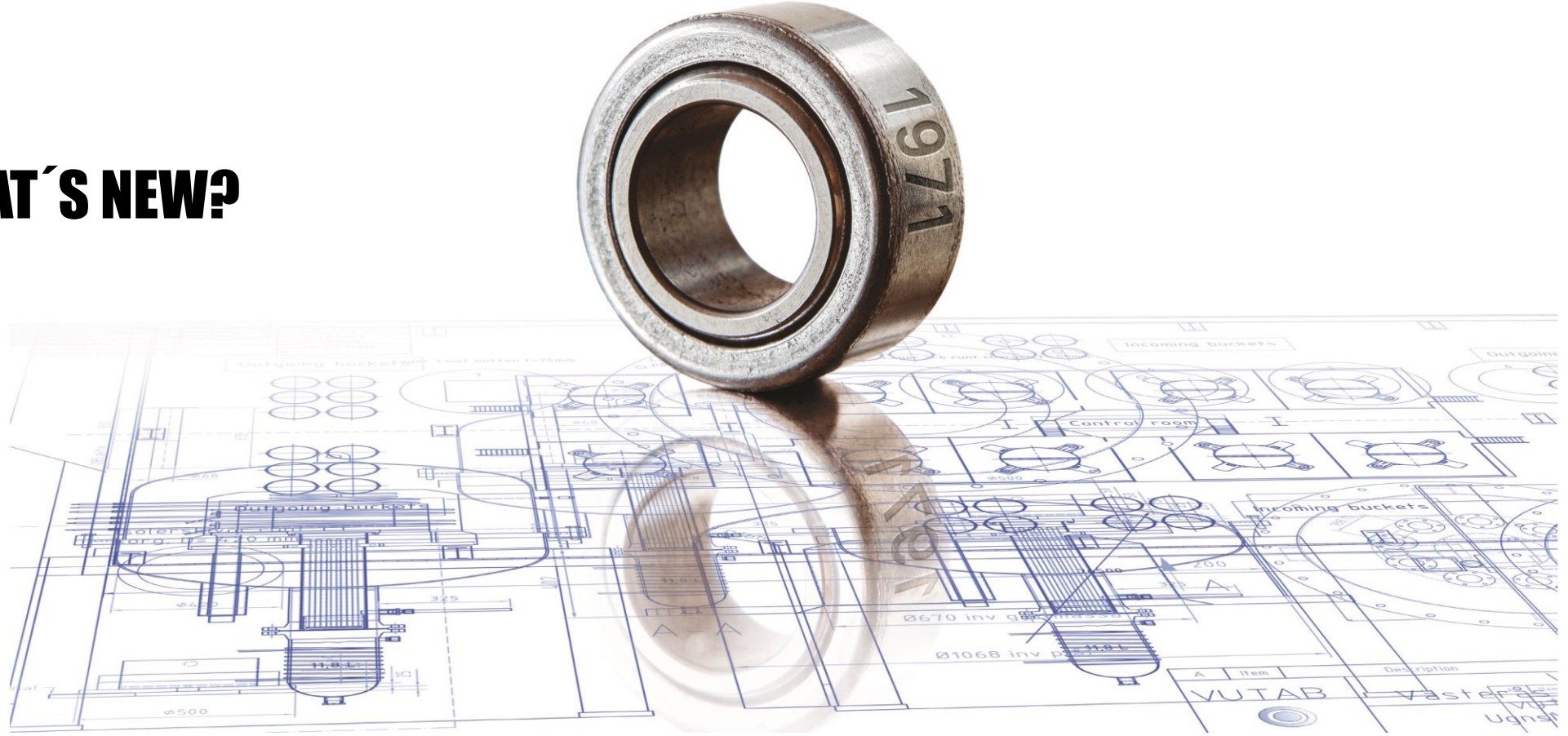
The background is split into two main sections. The left section is a close-up, vibrant green image of a leaf's vein structure. The right section is a metallic, brushed steel surface with a curved, glowing highlight that suggests a circular or spherical shape.

**THE FOSSIL-FREE PROCESS.  
FROM ORE AND WASTE TO METALS.  
INTO A CIRCULAR WORLD.**



# THIS FRICTION BEARING OF STEEL WAS PRODUCED 100% CO2-FREE 50 YEARS AGO!

**WHAT'S NEW?**

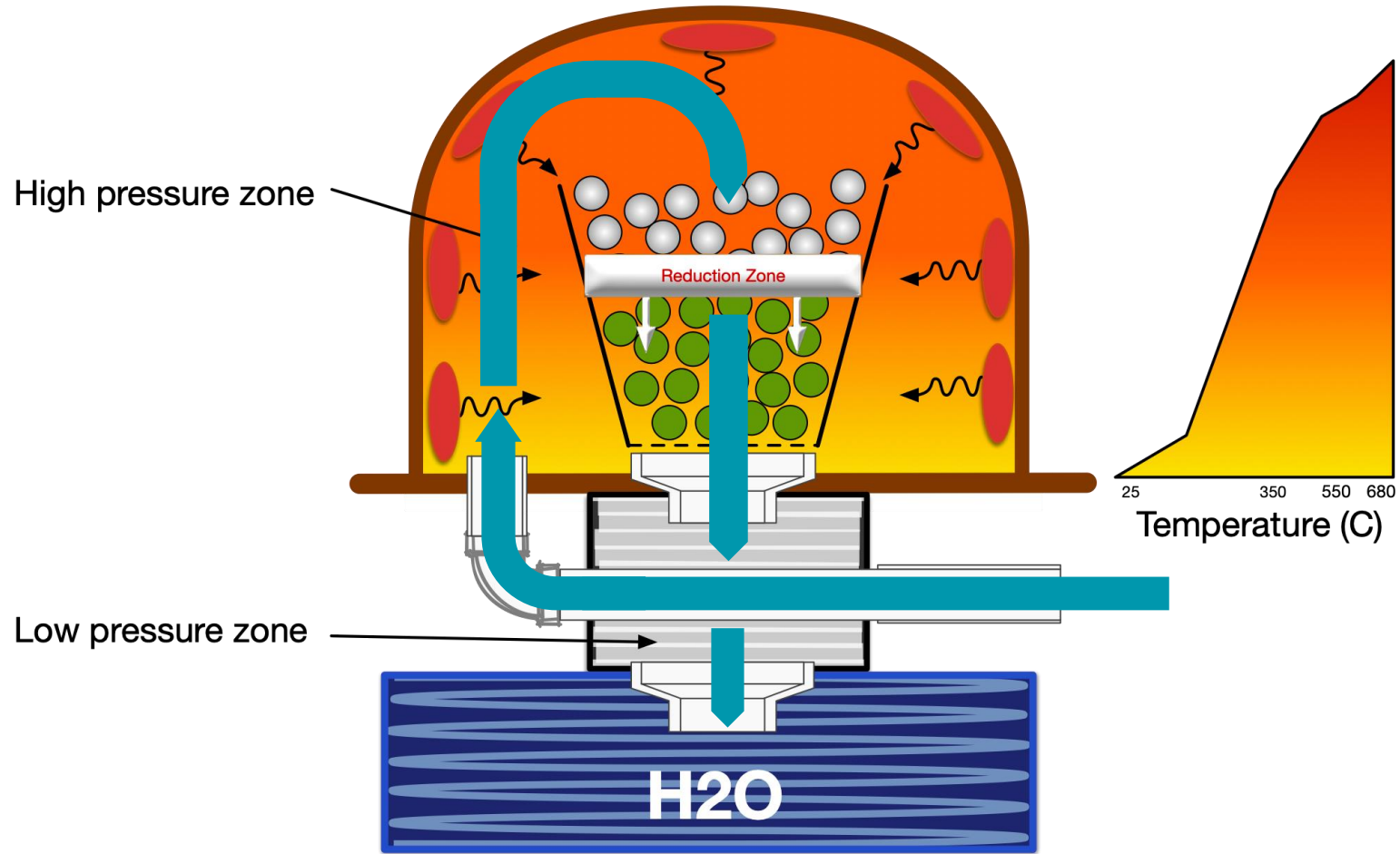


# BREAKTHROUGH PRODUCER OF 100% CO<sub>2</sub>-FREE METALS

- 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 (+REE)
Mines	✓					✓		✓
Manufacturing				✓			✓	
Recycling		✓	✓	✓	✓	✓	✓	✓
Foundries	✓	✓		✓	✓			
Steel producers	✓	✓	✓	✓				

# GREENIRON MARKETS

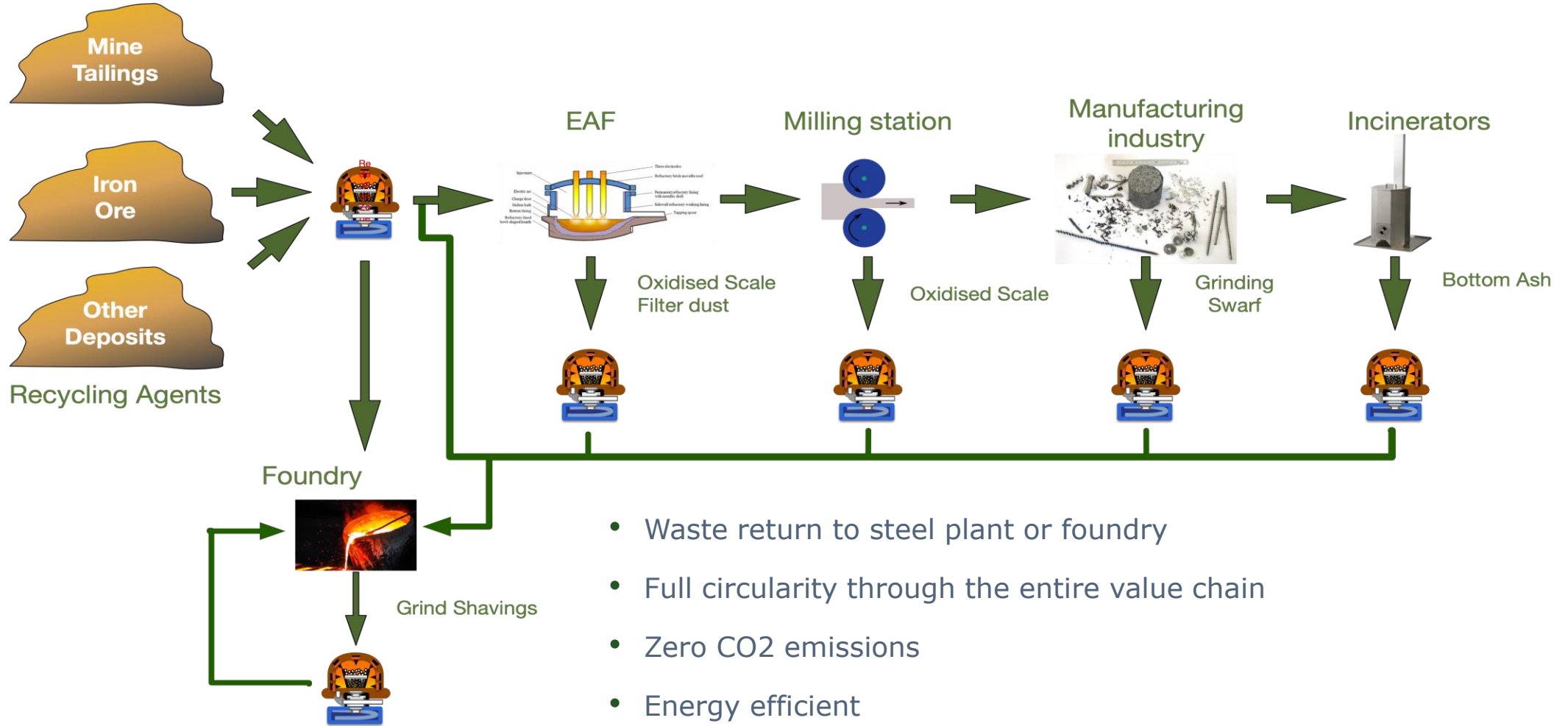
## Iron Based

- Oxidised scale ca 100 mtonnes/year
- Filter dust (steel plants only) ca 34 mtonnes/year
- Pelletmaking "debris" – ca 20 mtonnes/year (and growing)
- Can price compete with fossilbased reduction process
- Every furnace is profitable at current energy prices

## Iron and other mineral based

- Ores – ultralarge volumes
- Minetailings – unknown, ultralarge large volumes
- Deposits and slags – unknown very large volumes
- Secondary material flows –unknown very large volumes

# MATERIAL HANDLING THE GREENIRON WAY





# THANK YOU

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