

# Hydrogen gas in process metallurgy

At Swerim you can scale-up your hydrogen based metallurgical process using our world unique pilot and demo facility. We offer hydrogen infrastructure to all our equipment.

## **HYDROGEN INFRASTRUCTURE**

- ▶ Hydrogen from Electrolyzer >100 Nm<sup>3</sup>/h
- ▶ Solutions for higher flowrates available

**AC Electric arc furnace** – 10 t, 4,9MVA

**DC Electric arc furnace** – 5 t, 4,9 MVA

**Universal converter** – 6 t

### **Walking beam furnace**

- ▶ 3t/h, temperature range 600-1350 °C, P 1,5 MW
- ▶ Oxy-fuel and air combustion with hydrogen available

### **Chamber furnace**

- ▶ 400-500 kg/h, temperature range 600-1300 °C
- ▶ P 320 kW
- ▶ Oxy-fuel and air combustion with hydrogen available
- ▶ Full fuel flexibility

