







# Metal production

| Production, Mines | 2021    |
|-------------------|---------|
| Zinc, ktonnes     | 268     |
| Copper, ktonnes   | 114     |
| Lead, ktonnes     | 55      |
| Nickel, ktonnes   | 13      |
| Gold, kg          | 6,516   |
| Silver, kg        | 371,981 |

| Production, Smelters          | 2021    |
|-------------------------------|---------|
| Zinc, ktonnes                 | 473     |
| Copper, ktonnes               | 374     |
| Lead and lead alloys, ktonnes | 73      |
| Nickel in matte, ktonnes      | 19      |
| Gold, kg                      | 18,412  |
| Silver, kg                    | 566,291 |

GROUP PRESENTATION 2021

BOLIDEN

### Low Carbon Zinc – Boliden takes the next step

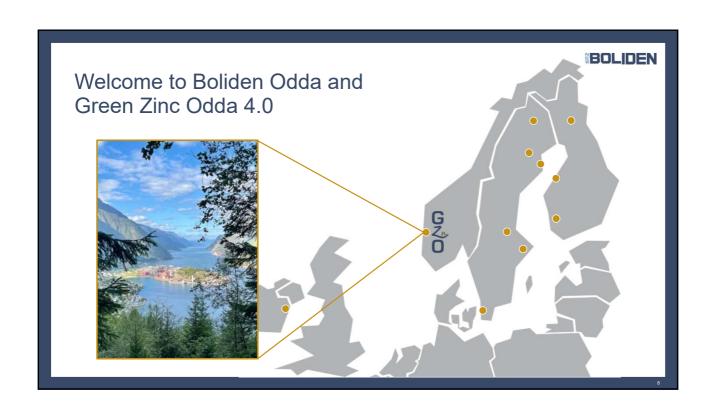
- Zn with a low carbon footprint, verified by third party
- Produced from own zinc concentrate
- All significant emission categories from cradle-to-gate included
- Well positioned compared to global average



## World's first verified Low-Carbon Zinc now available!

- Deliveries to customers since February 2022
- Opportunity for business partners to lower scope 3 emissions!
- Boliden invests in more low carbon smelting capacity in Odda





### Boliden Odda

Zinc smelter established in 1924

- The Norwegian Zinc company established in 1924 by Royale Asturienne de Mines
- Rationale 1924
  - Access to (Hydro)power
  - Ice free harbour
  - Market for Zinc
- Production start in 1929
  - 40 kton of Zinc
  - 380 employees







### Green Zinc Odda 4.0



### BOLIDEN

- Lowest CO<sub>2</sub> footprint Zn smelter in the world
- The most productive zinc smelter
  - Improving working environment
- Mountain caverns for iron waste disposal
- Increased value extraction from raw materials
- Effective logistics by sea and own icefree harbor

# Well-proven maximum unit sizes generates Economy of Scale BASE CASE 200 KTPY Gonz Foundry CONSOLIDATED 330 KTPY S5 m2 123 n2 Roast and Acid Plant Leaching Leaching Purification Leaching Foundry CH5 Electrowinning Foundry CREEP Zinc CODA ALD 12 CREEP Zinc CODA ALD 12

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