

Strategic direction – BA Smelting Operation

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Mining



Smelting
and
Refining

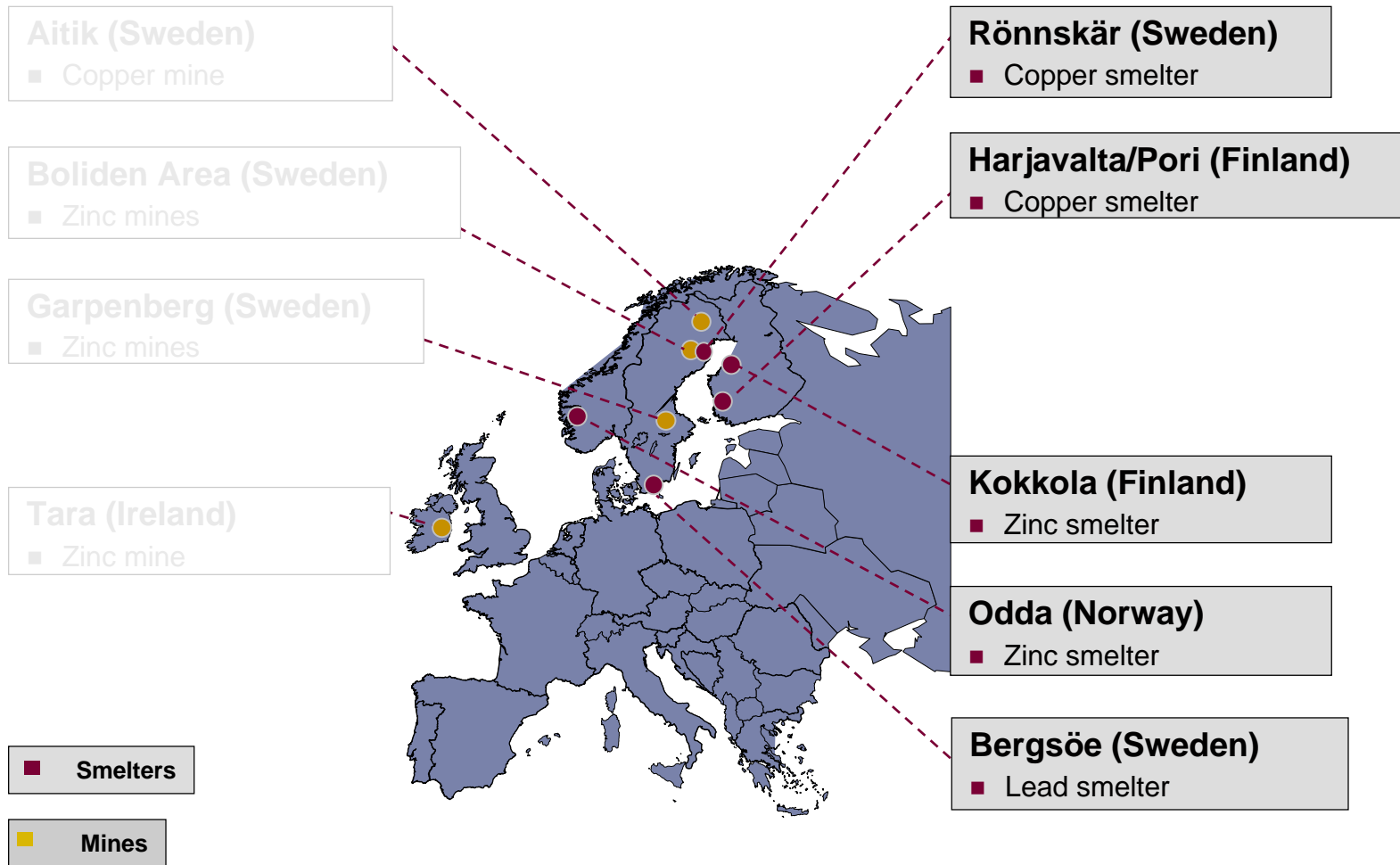


Zinc



Copper

New Boliden's Smelting Operations



Operational targets 2005

- **Smelting general**
 - Production maximisation
 - Completing the identified synergy opportunities
 - Focus on continuous improvements in each area
 - New product opportunities
 - The "soft" focus areas
 - Environment
 - Work safety
 - Quality management

Operational targets 2005

- **PA Copper**
 - Synergies Rönnskär – Harjavalta
 - Cost cutting programs Harjavalta and Rönnskär
 - Tankhouse operation in procedure testing
 - Relocation of refinery at Bergsöe

- **PA Zinc**
 - Fine tuning Odda after modernisation
 - Cost cutting programs Kokkola and Odda
 - Revitalising synergy hunt in Kokkola and Odda
 - Optimization of mine-to-smelter chain

Strategic challenges and opportunities

- **Smelting general**
 - Improving our cost position (continues improvements, de-bottlenecking and growth investments)
 - Seeking actively new raw-material opportunities
 - Securing our top-of-the-world environmental performance
 - Adopting zero-accident philosophy
 - Securing competence transfer

Strategic challenges and opportunities

- **PA Copper**

- Optimise materail flow between Harjavalta/Rönnskär
- Opportunity to increase production by some 100,000 tpy
- Increasing WEEE-material processing

- **PA Zinc**

- Incremental expansion in Kokkola by some 30,000 tpy
- Phase II expansion in Odda to 310 000 tpy