Strategic direction – BA Smelting Operation

Jukka Järvinen President Smelting Operation

Mining  Smelting and Refining  Zinc  Copper
New Boliden’s Smelting Operations

- Aitik (Sweden) - Copper mine
- Boliden Area (Sweden) - Zinc mines
- Garpenberg (Sweden) - Zinc mines
- Tara (Ireland) - Zinc mine
- Rönnskär (Sweden) - Copper smelter
- Harjavalta/Pori (Finland) - Copper smelter
- Kokkola (Finland) - Zinc smelter
- Odda (Norway) - Zinc smelter
- Bergsöe (Sweden) - Lead smelter
Operational targets 2005

• Smelting general
  – Production maximisation
  – Compleating the identified synergy opportunities
  – Focus on continues 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 material 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