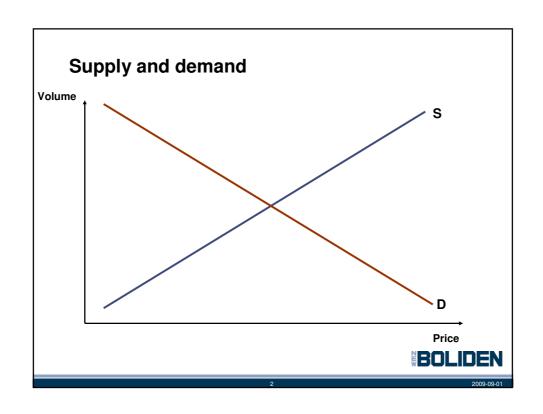
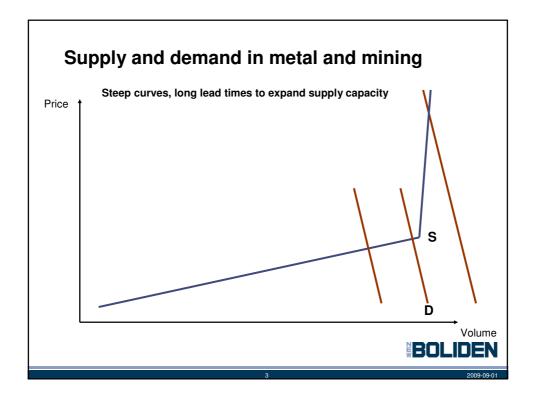


# Capital Markets Day 2 September 2009

#### Market Update Lennart Evrell President & CEO



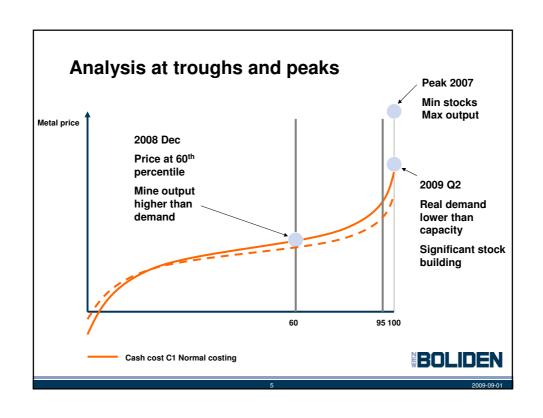


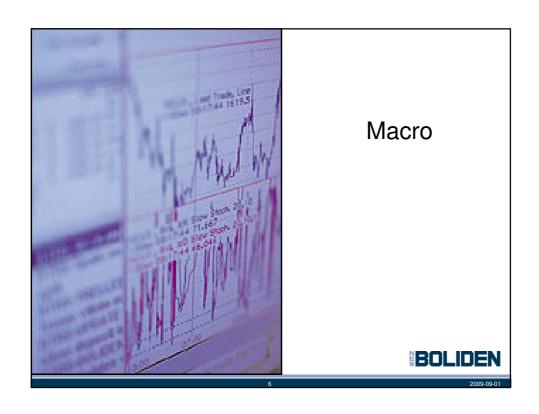


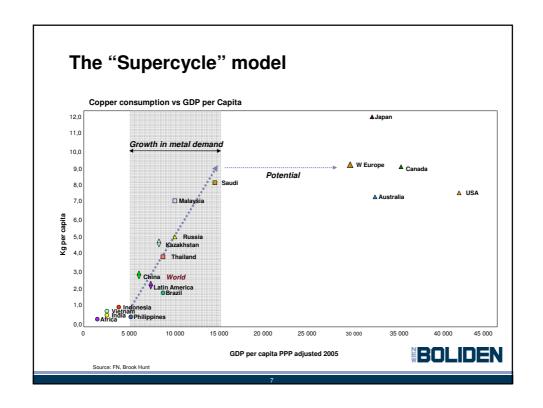
# Metal markets and prices...

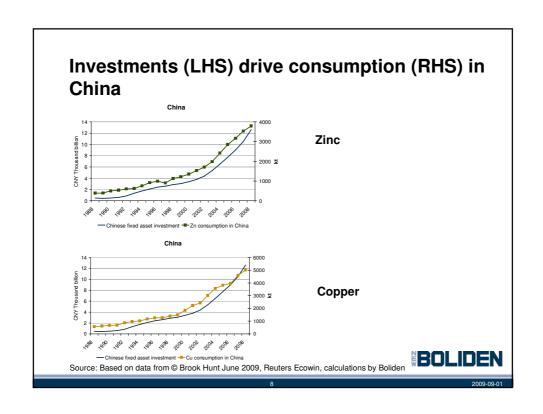
- Reductions
  - Care and maintenance when cash flow is more negative at producing than at closing
- Low prices
  - Related to cash-cost curves and percentiles
  - Steep cash-cost curves basis for price volatility
- Expansions
  - DCF Life-of-mine and IRR
  - Mine plans, long term prices, currencies and interest
  - Timing
- High prices
  - Demand curves are very steep
  - Prices set by highest cash-cost producer
  - No theory for upside at deficit
  - Steep cash-cost curves support high prices





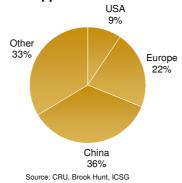






## China's importance has grown further

#### Refined Copper - Global demand Q209



- China accounted for 36% of global demand in Q2 2009
- Chinese market is now larger than EU + US

Source: Based on data from CRU, calculations by Boliden



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## Trends in zinc and copper

- Metal consumption
  - First use segments down in west, growing in new economies
- Smelter capacity
  - Zn and Cu capacity over consumption and mine capacity
  - Capacity build in developing countries
- Mine capacity
  - Head grades declining, mines depleting
  - New capacity needed to meet demand (Zn by 2013\*, Cu by 2016\*)

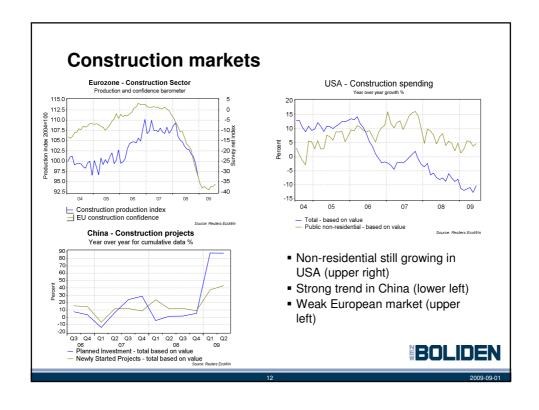
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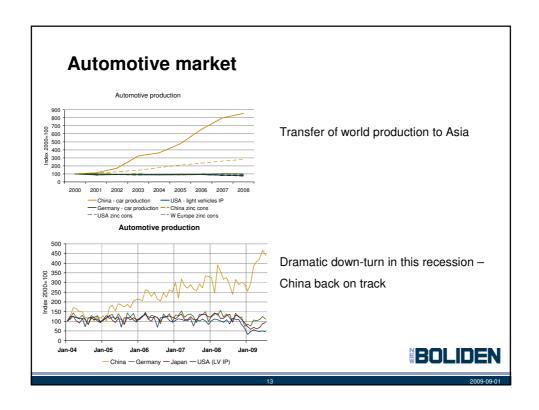
# Construction and automotive users of zinc and copper

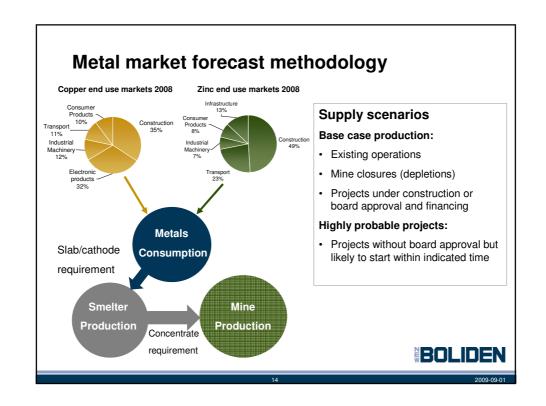
	Zinc	Copper
Construction	49%	35%
Automotive	23%	11%

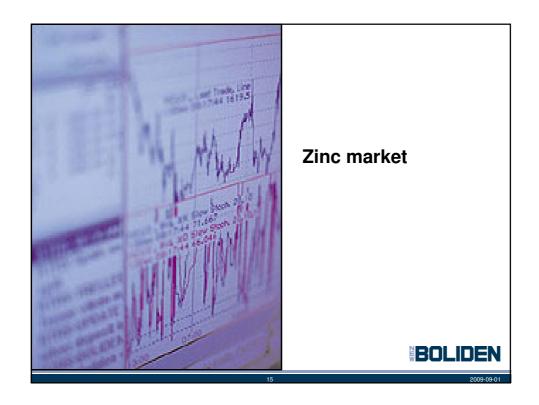


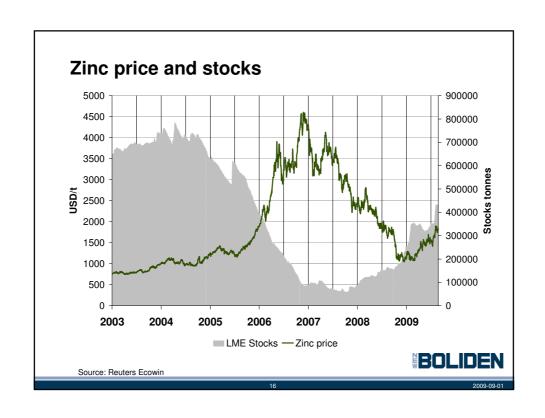


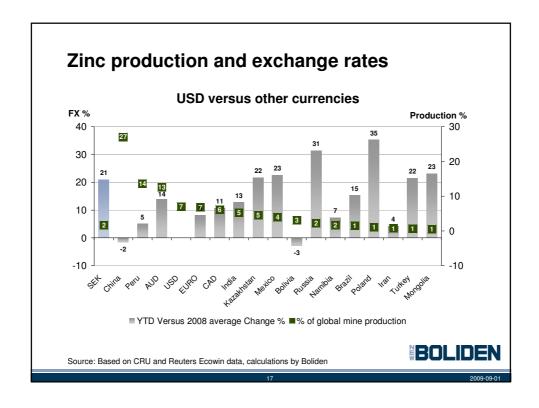


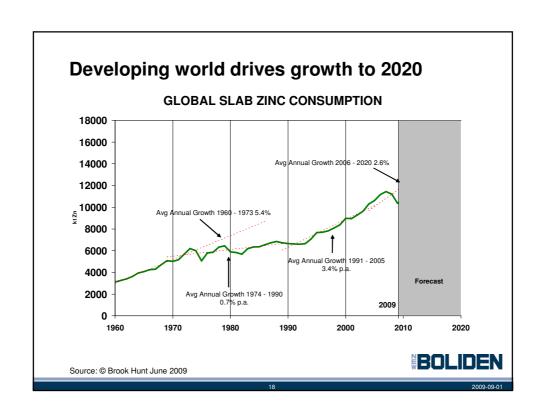


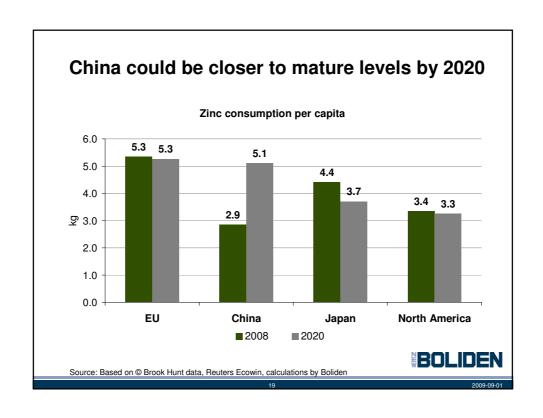


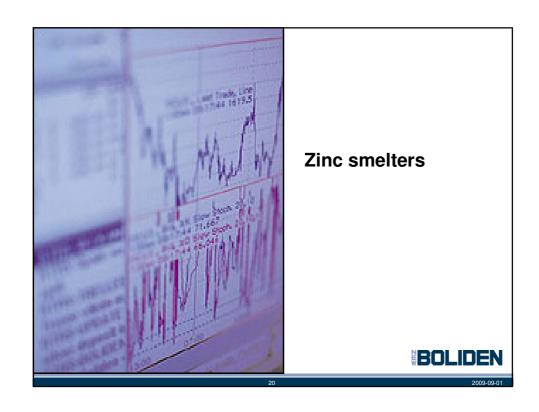


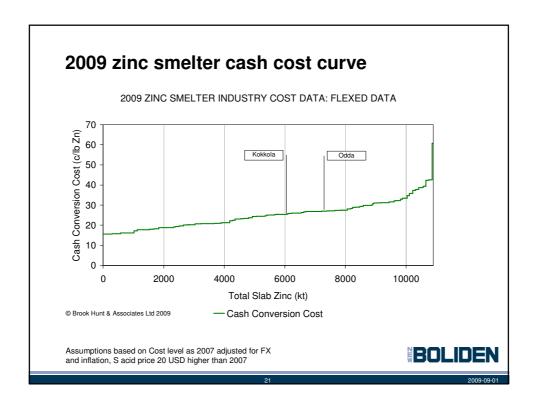








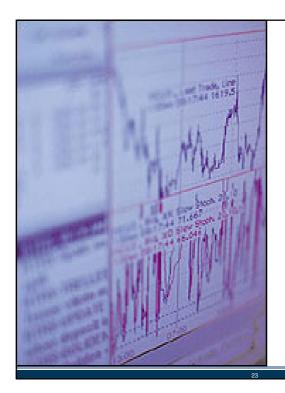




#### **Smelter closures**

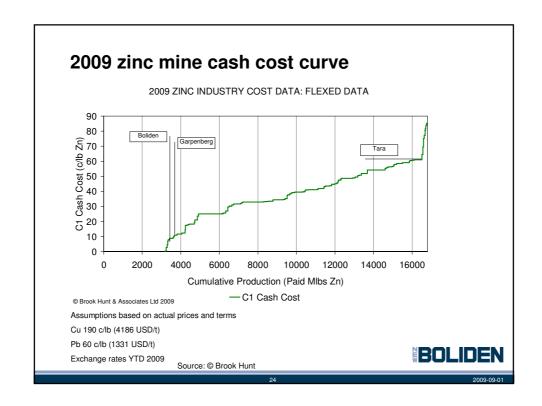
- Limited info on planned closures
- ■Some smelters will close
  - Financial situation and outlook
  - Environmental pressure

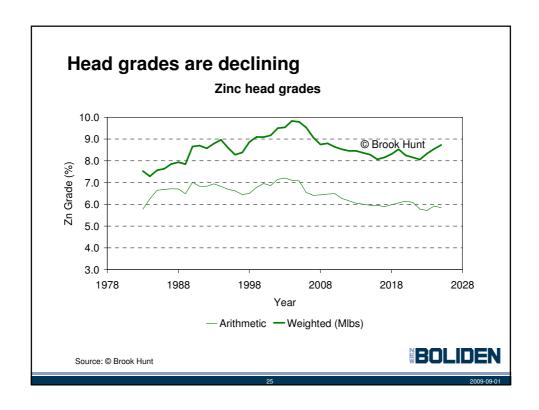


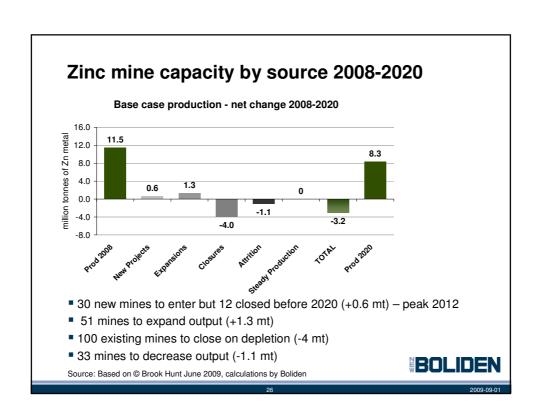


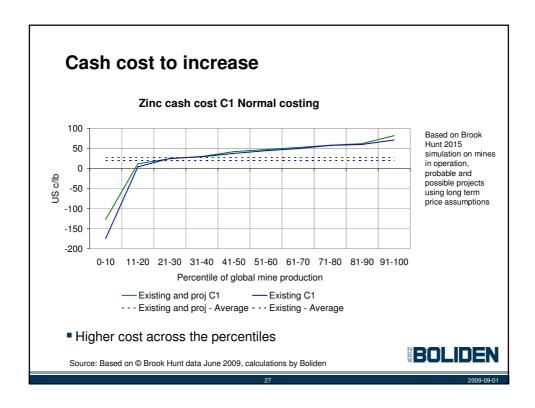
## **Zinc mines**

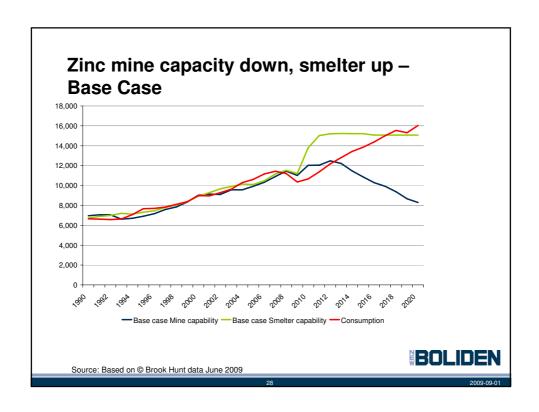


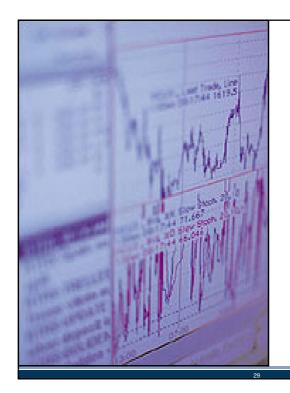








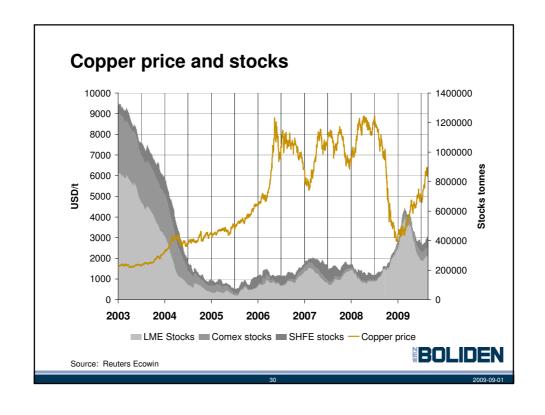


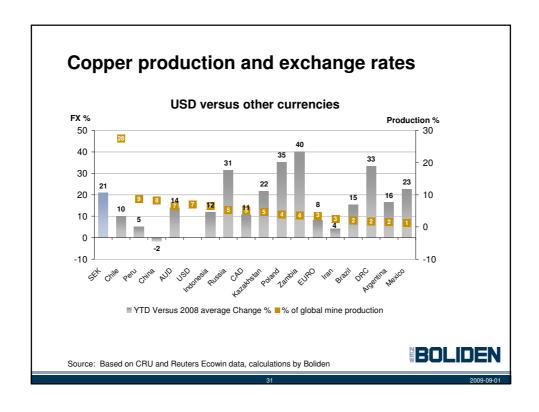


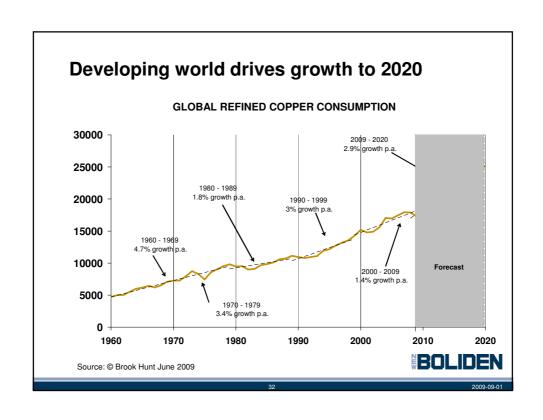
# Copper market

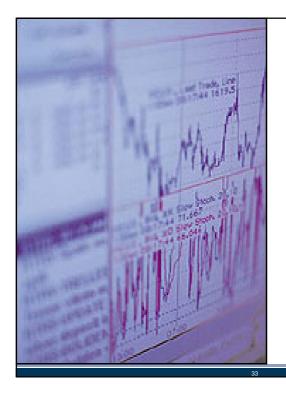


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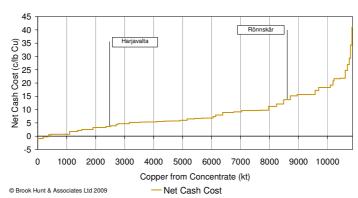
# Copper smelters



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Copper smelter cash cost curve (flexibility and ability to extract by-products not reflected)

2009 COPPER SMELTER INDUSTRY COST DATA: FLEXED DATA



Assumptions based on Cost level as 2007 adjusted for FX and inflation, S acid price 20 USD higher than 2007

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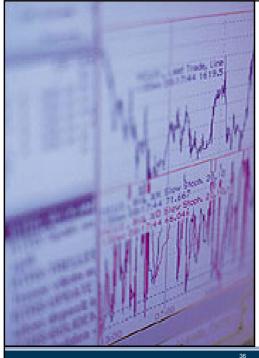
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# Copper smelters are complex...

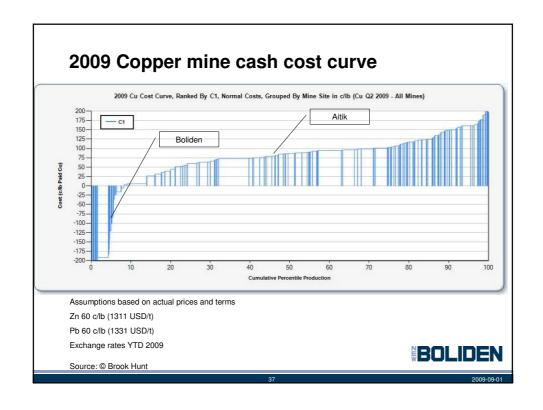
- Fundamental characteristics for competitive position
  - Flexibility to different feeds
- Recycling capability, E-scrap
- Limited info on planned closures
  - Financial situation and outlook
  - Environmental pressure

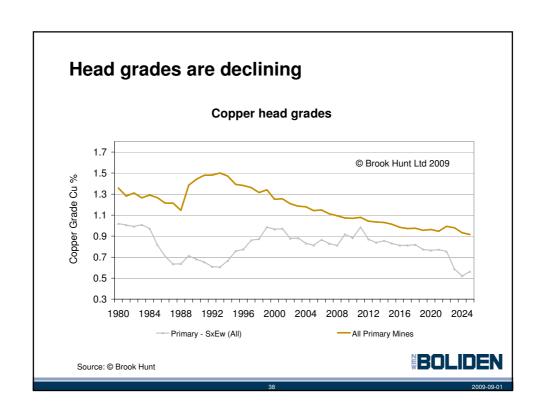


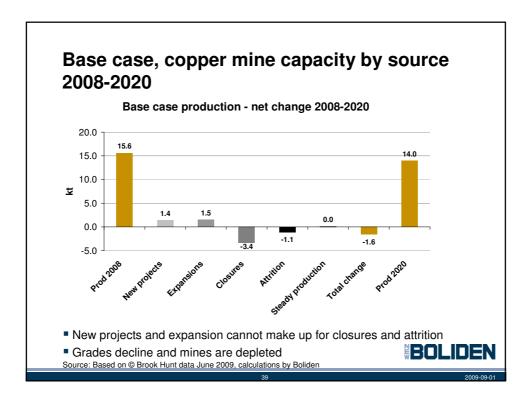


Copper mines

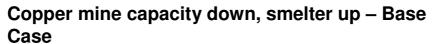


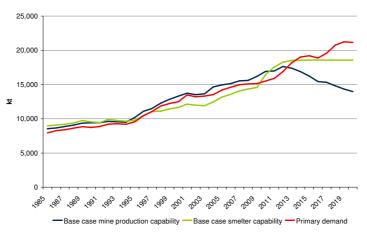






#### Cash cost virtually unchanged (highly probable, probable and possible included) Copper cash cost C1 Normal costing 200 150 100 50 0 SN -50 -100 -150 -200 -250 0-10 11-20 21-30 31-40 41-50 51-60 61-70 71-80 81-90 91-100 Percentile of global mine production Existing and proj C1 --- Existing and proj - Average --- Existing - Average Based on Brook Hunt 2015 simulation on mines in operation, probable and possible projects using long term assumptions for prices and terms Source: Based on © Brook Hunt data June 2009, calculations by Boliden





Substantial smelter capacity build over the last few years

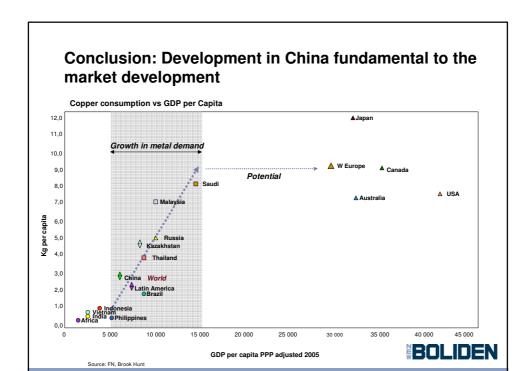
Source: Based on © Brook Hunt data June 2009, calculations by Boliden

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#### Conclusion

- Most analysts suggest mine deficits again for Zn and Cu
- Smelter capacity will not be the limiting factor in near term
- Smelters will have to cope with stricter environmental legislation
- With limitations in the supply, prices are expected over the cash cost for the high cost producers in next peak
- High metal prices drive exploration and mine projects
- Risks
  - China growth
  - Economic and financial stability in old economies
  - TC etc for Smelters
- Opportunities
  - China goes on
  - Upturn in old economies
  - Other developing countries

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### Forward-looking statements

Certain statements in this presentation are forward-looking, and the actual outcome could be materially different. Such forward-looking statements are based on Boliden's present plans, estimates, assumptions, projections and expectations and are subject to risks and uncertainties. In addition to the factors explicitly discussed, other could have a material effect on the actual outcome. Such factors include, but are not limited to, general economic or political conditions, fluctuations in exchange rates, interest rates and in metal prices, production disruptions, technological issues, interruptions in supply, actions of courts, regulators, government agencies, competitors, customers, suppliers, employees and other third parties.



