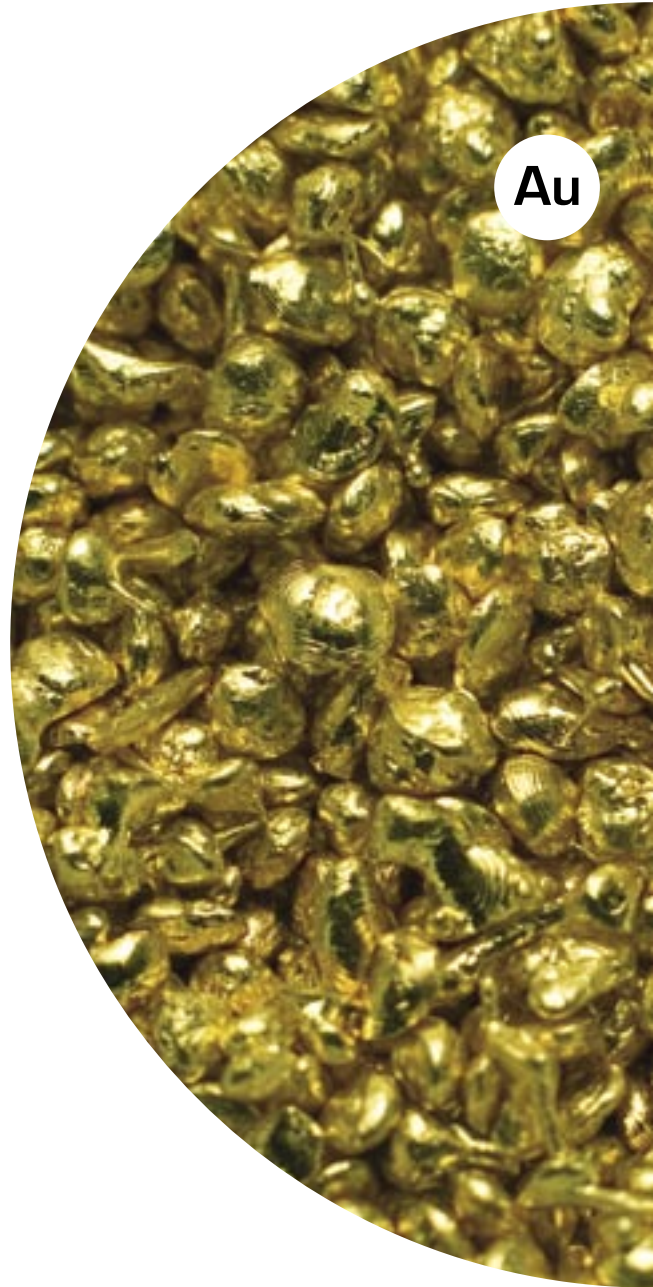
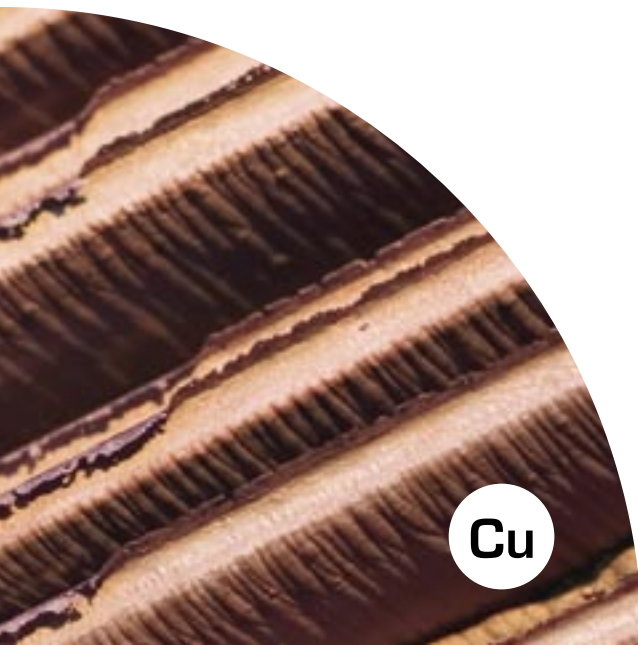


Ag

# World Class Recycling



Au



Cu

**NIM** **BOLIDEN**



# Always to hand, geographically and in business terms

The Boliden Group's smelting and recycling business has the entire world as its oyster – and especially as its catchment area. We occupy a strategic location in the centre of Scandinavia's most important mining district. Metal concentrates have long been imported from, broadly speaking, every part of the world, although they are also supplied from our own mines in Sweden. Thanks to our long-standing world-wide business, we have built up efficient shipping and logistics solutions for both large and small deliveries that benefit you as a supplier of recyclable material – particularly in the form of fast shipping at low cost.

## Efficient logistics solutions for all kinds of recycled material

Examples of the steadily growing influx of secondary raw materials include:

- Electronic scrap containing precious and base metals and energy (plastic)

- Copper alloy scrap, containing copper, nickel and precious metals
- Metal residues from brass manufacturing containing copper and zinc
- Steel plant dust containing zinc

Besides these there is capacity for many other raw materials from which copper, zinc, precious metals, lead, cobalt and nickel can be extracted.

## Both your raw materials and your confidence are in safe hands with us

Our global presence lends additional dimensions to the benefits to you as a supplier. You are placing both your recyclable material and great confidence in our hands. Our task is to refine and manage both as well as possible, both environmentally and in business terms, and to do so equally efficiently in job after job right down to personal contact level. In this way our experience and stability provide a sound basis for long-term partners and good relationships with them – which make for fruitful exchanges of knowledge and added value throughout the refining chain.

- 
- Mine
  - Copper smelter
  - Zinc smelter
  - Lead smelter



## With us environmental gains also mean increased market value

The Boliden Group's work on recycling activities to meet the needs of both the internal and external environment is carried out to match the demands not only of the authorities but also of the market. Given today's strong environmental consciousness reaching right out to consumer level, we know that our environmental advantages – for example, more efficient recycling processes, clean products and good working environments – also mean commercial competitive advantages for both our suppliers and us. The better our recycling becomes from the environmental standpoint, the more attractive our products are on the market.

### **Environmental efforts that give quantifiable results**

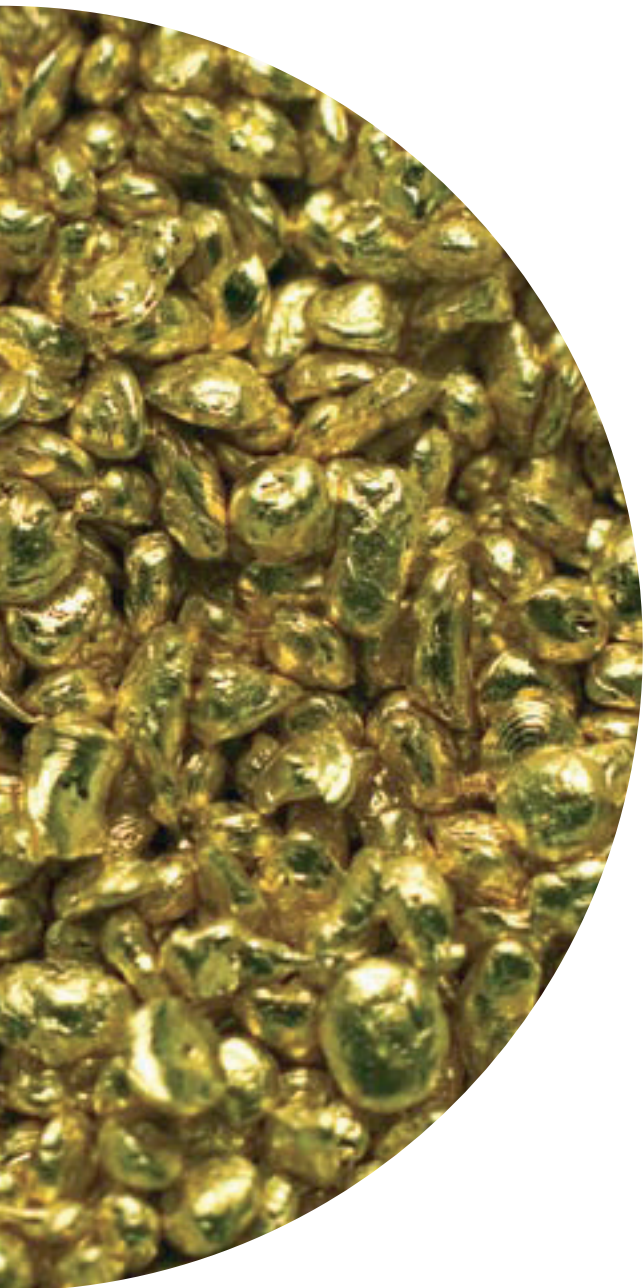
These multi-dimensional environmental efforts have made our smelters the most environmentally friendly in the world. Proven process technology, knowledge and purification plants to the highest standards are important success factors. One example of progress over the years is that over 99 percent of incoming sulphur is bound to products. Another reward is that in 2002,

despite increased production, Rönnskär was removed from HELCOM's list of 'hot-spots' – major sources of emissions into the Baltic region. Another example is steadily increasing reuse of energy where any excess is converted efficiently into steam, electricity and district heating.

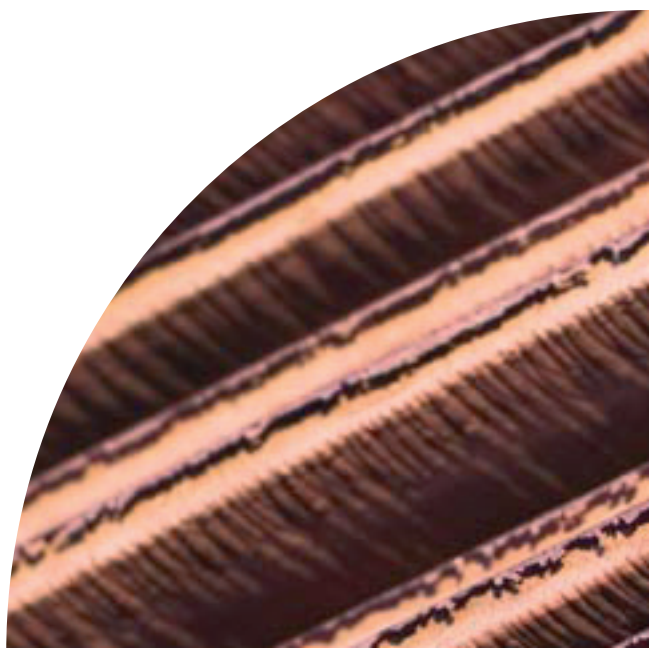
### **Documented progress**

Our business is regulated by licences from the National Licensing Board for Environmental Protection including overall rules and ceilings on admissions into water and air and a licence to process a wide range of recyclable materials. We are also licensed by The National Environmental Protection Agency to import, handle and process materials that are classified as environmentally hazardous waste under international conventions (Basel, OECD, EWC, etc). Emissions and their impact on the environment are monitored in accordance with the detailed inspection programme laid down by our supervisory authority, the County Administrative Board. Reporting of emissions is done once a month. The environmental impact of the smelting is continually monitored by recipient studies such as moss samples (see [www.environ.se](http://www.environ.se)), which show continuous major improvements on an already high level.

This proves that the purposeful environmental efforts at Boliden never flag, quite the contrary.



www.bolidenbyra.se Foto: Patrick Degerman och Boliden



**NEW BOLIDEN**

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