



TOMRA

Ore Sorting

What is ore sorting ?

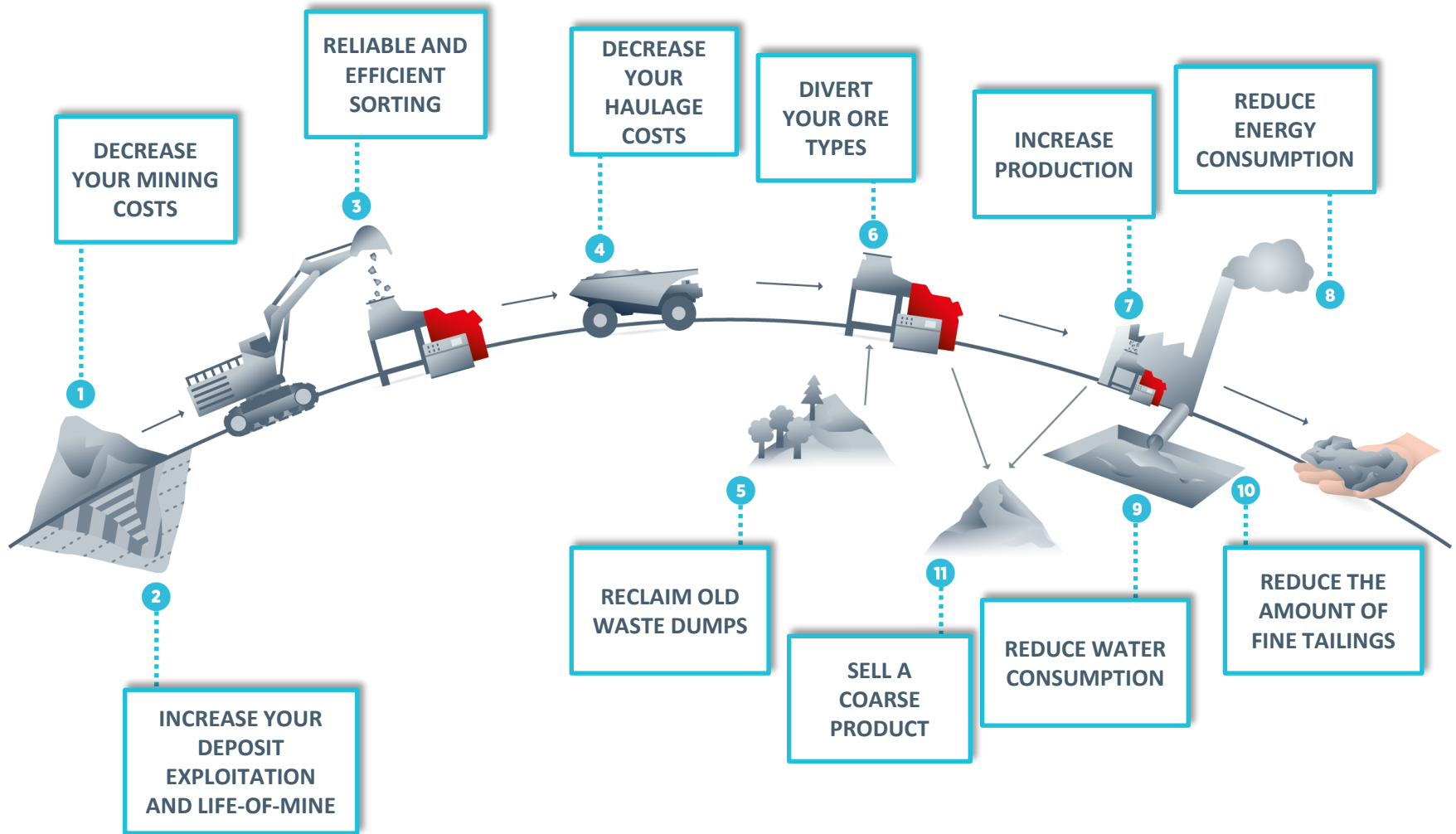
***Ore sorting** is the separation of a target mineralogy, ore or element from waste at an individual particle level.*

The ore is sorted to **remove waste** and **improve the efficiency and capacity** of processing plant while increasing the grade.

Ore sorting is....

- ✓ *Accurate > high recovery*
- ✓ *Fast > upto 5,000 particle per sec = high tonnage*
- ✓ *Mature and proven technology*
- ✓ *Removes the variability in the plant feed*

Sorting Creates Value in Mining !



Benefits of Ore Sorting

- ✓ Normally **10% - 90%** of the mass can be rejected in an early stage of the process at the primary, secondary or tertiary crushing stage
- ✓ Low grade waste rocks don't need to be transported, crushed, milled or further treated

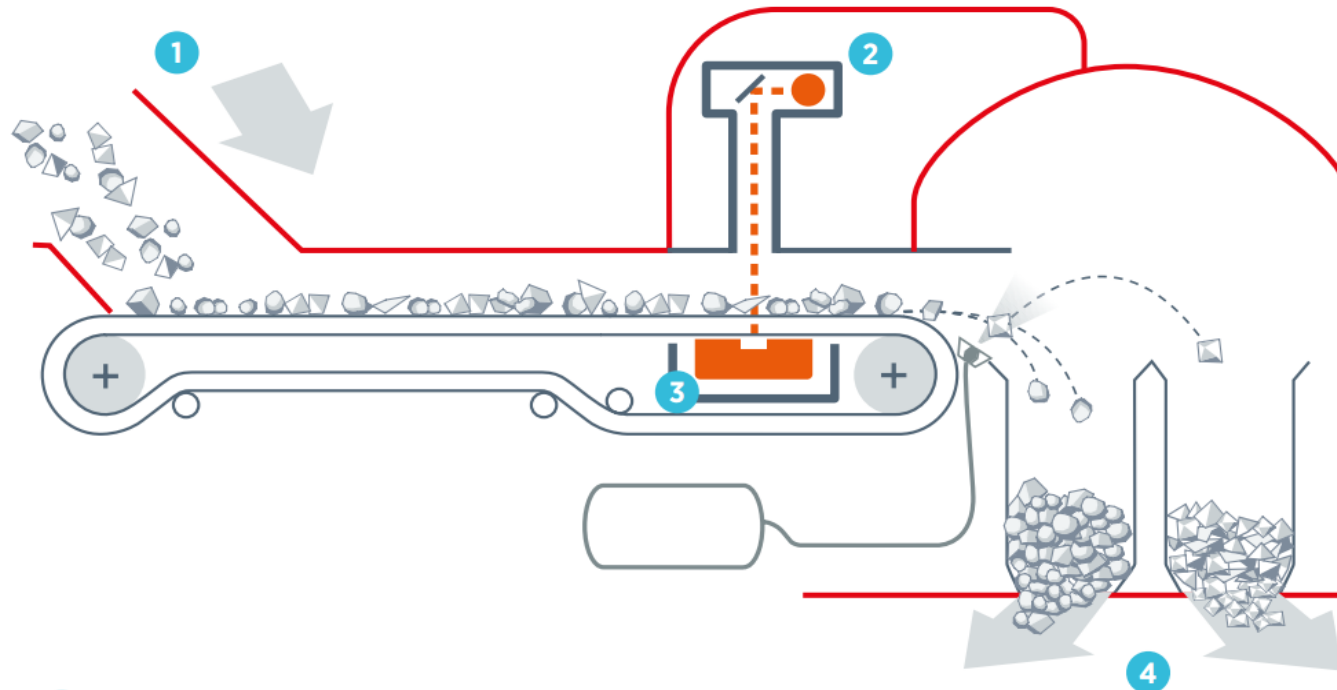


Benefits of Ore Sorting

- ✓ Greater milling capacity
- ✓ Less power consumption
- ✓ Less wear (mill liners)
- ✓ Reduced water
- ✓ Reduced reagents (cyanide)
- ✓ Reduced acid
- ✓ Smaller tailings dam
- ✓ Reduced acid mine drainage



COM - Belt Sorter



- 1 Feeding of unsorted material
- 2 X-ray source
- 3 X-ray camera
- 4 Separation chamber

COM - Belt Sorter



Some of our Clients/References



The University of
Nottingham



THE UNIVERSITY
OF QUEENSLAND



Rio Tinto



DE BEERS



OUR PROMISE TO OUR CUSTOMERS

TRUSTED TECHNOLOGY AND PARTNERSHIP FOR BETTER BUSINESS AND ENVIRONMENT



Customer Focused

Forward Thinking

Quality Driven

Reliable

Ethical

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