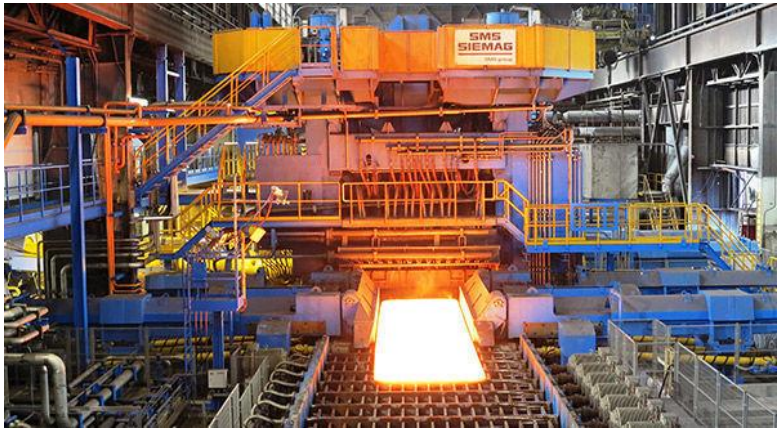
Melting plant of the future



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Contents of this presentation

- What is a smelter for?
- What are the disadvantages of modern smelters?
- What improvements can be made?

What is a smelter for?

Melting stages

01 Preparation of raw materials

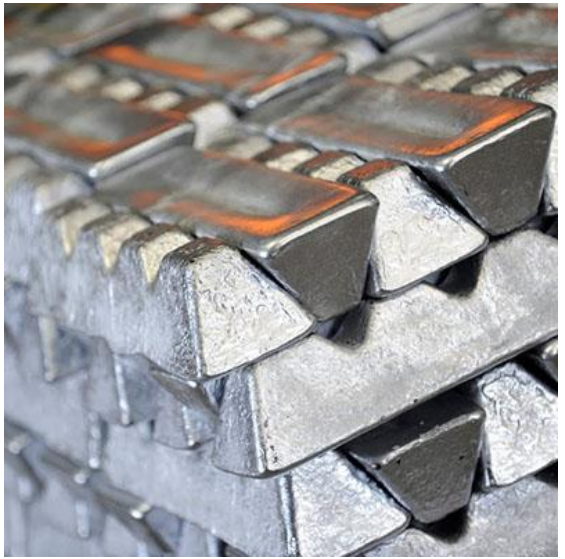
02 Melting and implementation of the necessary components

03 Casting of metal ingots

04 Further operation

Key Features

- Obtaining a homogeneous phase with the necessary composition
- Subject to technology, obtaining high-quality ingots without defects



What are the disadvantages of modern smelters?

Environmental damage

1) Harmful emissions of enterprises
2) Depletion of natural resources

Harmfulness to humans

1) High temperatures that negatively affect human health
2) Harmful secretions during the casting process

03

The Smelter of the Future

Innovations

The use of robots in production

Installation of additional filters to reduce the harmfulness

Full automation of the casting process

Modern foundry

Thanks for your attention!