**Nickel in Europe**

**SPAIN**

**OVERALL TONNAGES: 105,000 TONNES**

**MINING: 5,000 TONNES**

**FIRST USE**

**TOTAL: 61,000 TONNES**

- **28,000 TONNES** FROM RECYCLED NICKEL
- **33,000 TONNES** FROM PRIMARY NICKEL

**END USE**

**TOTAL: 39,000 TONNES**

- **16,000 TONNES** FROM RECYCLED NICKEL
- **23,000 TONNES** FROM PRIMARY NICKEL

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**DEFINITIONS**

**First use of nickel**: Conversion of nickel into intermediate products, such as stainless steel and alloys, which form the basis for nickel-containing end use goods.

**End use of nickel**: Conversion of first use nickel products into final nickel-containing goods used in wide range of end use sectors, for instance building and construction, medical devices, batteries, electrical and electronic equipment, kitchen equipment and food processing, industrial equipment, transport & aerospace.
Economic parameters

ESTIMATED ANNUAL VALUE OF PRODUCTION*

MINING AND EXPLORATION

- MINING
  - MINING AND EXPLORATION: €39M

FIRST USE

- TOTAL VALUE added: €3,045M
  - STAINLESS STEEL: €1,976M
  - NON-FER ALLOYS: €442M
  - ALLOY STEEL: €262M
  - PLATING & SURFACE TECHNOLOGY: €219M
  - FOUNDRY INDUSTRY: €166M
  - POWDER METALLURGY: €61M

END USE

- TOTAL VALUE added: €682M
  - TUBULAR PRODUCTS: €265M
  - ELECTRO & ELECTRONIC: €199M
  - METAL GOODS: €171M
  - BUILDING & CONSTRUCTION: €147M

- TOTAL VALUE added: €1,632M
  - ENGINEERING: €344M
  - TUBULAR PRODUCTS: €265M
  - ELECTRO & ELECTRONIC: €199M
  - METAL GOODS: €171M
  - BUILDING & CONSTRUCTION: €147M

WASTE TREATMENT, METAL RECOVERY AND RECYCLING

- WHOLESALE TRADE & WASTE COLLECTION: €668M

TOTAL VALUE OF PRODUCTION: €5,398M

JOBS

- Direct jobs: 278
- Indirect jobs: 255

EXPLORATION & MINING: 278

FIRST USE

- TOTAL VALUE added: €1,630M
- DIRECT VALUE added: €1,630M
- INDIRECT VALUE added: €24,675

- TOTAL VALUE added: €32M
- DIRECT VALUE added: €32M
- INDIRECT VALUE added: €4,703

- TOTAL VALUE added: €136M
- DIRECT VALUE added: €136M
- INDIRECT VALUE added: €5,067

END USE

- TOTAL VALUE added: €1,233M
- DIRECT VALUE added: €1,233M
- INDIRECT VALUE added: €28,773

- TOTAL VALUE added: €1,034M
- DIRECT VALUE added: €1,034M
- INDIRECT VALUE added: €23,119

WASTE MANAGEMENT & RECYCLING

- DIRECT VALUE added: €166M
- INDIRECT VALUE added: €511

- TOTAL VALUE added: €3,031M
- DIRECT VALUE added: €3,031M
- INDIRECT VALUE added: €166,511

* The production value is defined as turnover plus or minus the change in stocks of finished products, work in progress and goods and services purchased for resale minus the purchases of goods and services for resale plus capitalised production plus other operating income (excluding subsidies) – Eurostat. Based on 2014 data.

Sources

Based on Socio-Economic Analysis of Nickel in the EEA: Database and Evaluation tool, Dr. Ying Zhu et al., ReachLaw & Dr. Gerhard C. Peiser, Heinz H. Pariser, Alloy Metals & Steel Market Research, 2016-7

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For the sake of consistency, numbers mentioned in this factsheet may have been rounded.

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