Nickel in Europe

**GERMANY**
OVERALL TONNAGES: 294,000 TONNES

**IMPORT/EXPORT**
- **NICKEL IMPORTS**: 70,300 TONNES
- **NICKEL EXPORTS**: 7,000 TONNES

**FIRST USE**
TOTAL: 117,000 TONNES
- **45,000 TONNES FROM RECYCLED NICKEL**
- **72,000 TONNES FROM PRIMARY NICKEL**

**END USE**
TOTAL: 177,000 TONNES
- **83,000 TONNES FROM RECYCLED NICKEL**
- **94,000 TONNES FROM PRIMARY NICKEL**

**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.

Based on 2014 data
**Economic parameters**

**ESTIMATED ANNUAL VALUE OF PRODUCTION***

- **FIRST USE**
  - Stainless Steel: €3,105M
  - Alloy Steel: €2,577M
  - Non-Fe Alloys: €1,823M
  - Tubular Products: €991M
  - Building & Construction: €976M
  - Metal Goods: €665M
  - Electro & Electronic: €303M
  - Total: €9,501M

- **END USE**
  - Engineering: €2,505M
  - Transport: €1,093M
  - Tubular Products: €991M
  - Building & Construction: €675M
  - Metal Goods: €465M
  - Electro & Electronic: €308M
  - Total: €6,927M

**TOTAL VALUE OF PRODUCTION: €19,616M**

*The production value is defined as turnover, plus or minus the changes 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 other operating income (excluding subsidies) – Eurostat. Based on 2014 data.

**ESTIMATED ANNUAL VALUE ADDED***

- **FIRST USE**
  - Direct jobs: 88,745
  - Indirect jobs: 3,141
  - Total: 91,886

- **END USE**
  - Direct jobs: 93,330
  - Indirect jobs: 3,141
  - Total: 96,471

- **Waste Management & Recycling**
  - Direct jobs: 3,141
  - Indirect jobs: 3,141
  - Total: 6,282

**TOTAL VALUE ADDED: €13,009M**

**JOBs**

<table>
<thead>
<tr>
<th>DIRECT JOBS</th>
<th>INDIRECT JOBS</th>
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**Sources**

Based on Socio-Economic Analysis of Nickel in the EEA: Database and Evaluation tool, Dr. Ying Zhu et al., ReachLaw & Dr. Geier C. Reiser, Heinrich H. Pariser, 2016. Material has been prepared for the general information of the reader and should not be used or relied upon for specific applications without first securing competent advice. While the material is believed to be technically correct, Nickel Institute, its members, staff and consultants do not represent or warrant its suitability for any general or specific use and assume no liability or responsibility if any error in conjunction with the information herein.

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