The world of nickel

RUSSIA
FOURTH BIGGEST PRIMARY NICKEL PRODUCING COUNTRY

MINING, SMELTING & REFINING
TOTAL: 526,000 TONNES

IMPORTING & EXPORTING
NIQUE IMPORTS: 1,100 TONNES
NIQUE EXPORTS: 134,400 TONNES

NICKEL MINE PRODUCTION: 211,000 TONNES
NICKEL MATTE PRODUCTION: 157,000 TONNES
REFINED NICKEL: 158,000 TONNES

FIRST USE
TOTAL: 25,600 TONNES

6,600 TONNES
FROM RECYCLED NICKEL
19,000 TONNES
FROM PRIMARY NICKEL

DEFINITIONS
Nickel matte: An intermediate product in the metallurgical processes with a nickel content varying between 30-60%.
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
TOTAL: 52,000 TONNES

20,000 TONNES
FROM RECYCLED NICKEL
32,000 TONNES
FROM PRIMARY NICKEL

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 2017 data
**Economic parameters**

**Estimated Annual Value Added**

**Jobs**

- Direct jobs
- Indirect jobs

**Estimated Annual Value Added**

- Direct added
- Indirect added

**Exploration, Mining, Smelting & Refining**: $4,960M

**First Use**: $10,160M

**End Use**: $850M

**Waste Management & Recycling**: $90M

**Total Value Added**: $16,060M

**Total Jobs**: 532,200

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**Economic Parameters**

**Total Value of Production**: $15,846M

**Estimated Annual Value of Production**

<table>
<thead>
<tr>
<th>Direct Production Value</th>
<th>Indirect Production Value</th>
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<tbody>
<tr>
<td>MINING, SMELTING, REFINING: $9,940M</td>
<td>$9,940M</td>
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<tr>
<td>WASTE TREATMENT, METAL RECOVERY AND RECYCLING: $290M</td>
<td>$290M</td>
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**Jobs**

- Direct production value
- Indirect production value

**Exploration, Mining, Smelting & Refining**: 134,700

**First Use**: 365,400

**End Use**: 38,200

**Waste Management & Recycling**: 3,900

**Total Jobs**: 532,200

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Based on Socio-Economic Analysis of Nickel: Database and Evaluation tool, Dr. Thomas Höhne-Sparborth, Roskill

Based on 2017 data. For the sake of consistency, numbers mentioned in this factsheet may have been rounded. Data were extracted from UNIDO. The definitions of estimated value of production and annual value added value refer to the definitions as found in national statistical systems and databases.

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