

## COUNTRY FACT SHEET: SWEDEN

Total use of nickel in Sweden in 2002 was around 74 kte (primary and recycled nickel units) which represented over 10% of EU demand. This demand is satisfied through a combination of imports of refined nickel, and recycling of existing nickel.

Significant quantities of refined nickel (38 kte) are imported into Sweden. The remainder of Swedish demand is satisfied through recycling of scrap (particularly stainless steel scrap) to produce re-usable nickel (36 kte).

Whilst the nickel industry itself is relatively small, it has a significant impact on the wider economy through its value-chain. Through its critical use in nickel-containing alloys, it has a major impact on important industries such as stainless steel. In turn, the use of nickel-containing alloys in many important products means that the impact of nickel is substantial in many end-use markets.

As a consequence, the total value-added in Sweden by nickel and its value-chain is estimated to be over Euro 2 billion.

	<b>Value-Added (Euro Million)</b>	<b>Employment</b>
Direct nickel industry/recycling	290	2,200
“First Use”	800	8,700
Intermediaries	110	2,100
“End Use”	800	14,000
<b>Total</b>	<b>2,000</b>	<b>27,000</b>

**Table 1: Value Chain Summary**

Moreover, the direct nickel industry and the industries in its value chain that are critically dependent upon it, employ a significant number of people. Total employment in Sweden in the direct nickel industry, “First Use” industries and Intermediaries, and “End Use” industries that are dependent on nickel is estimated to be around 20,000. Some 7,000 additional jobs have been created in the economy through income and supplier “multiplier” effects and capital expenditure effects. Hence around 27,000 jobs are “dependent” on nickel.

The industry and its value-chain also contribute to the Swedish economy through investment. Total research and development in Sweden by the direct nickel industry and industries dependent on nickel, is estimated to be Euro 38 million per annum. Annual capital expenditure by these sectors is estimated to be Euro 210 million and total capital employed is estimated to be Euro 3.2 billion.



The nickel industry and its value chain also account for substantial tax revenues. Total taxes (on employment and sales) paid by the direct nickel industry and industries dependent on nickel are estimated to be Euro 500 million per annum. This excludes corporate taxes.

