



RioTinto

Scandium from Rio Tinto

We use an innovative process to extract **high-purity scandium oxide** from the waste streams of titanium dioxide production using 100% renewable hydropower energy.

- No need for additional mining
- First North American scandium producer
- Current nameplate capacity: 3mt a year
- Expanding facilities to 4x production capacity: Up to 12mt a year
- Main product: scandium oxide (99.998%)

Our scandium oxide is the basis for Rio Tinto aluminium-scandium alloys.

Aluminium scandium products

Using scandium oxide produced at RTIT, we offer a range of customized scandium products:

- Master alloy (H2025: Al-2%Sc)
- Billet, slab, rod, and foundry products in a wide variety of alloys and sizes

Scandium production

We produce our scandium oxide at Rio Tinto Iron and Titanium (RTIT) Technology and Critical Minerals Centre in Quebec, Canada. RTIT has been processing ore from northern Quebec for more than 70 years.

The scandium plant was inaugurated in June 2021 and production started in Q3 2022.

With a current scandium oxide capacity of 3mtpa, we plan to ramp up production to 12mtpa in 2025.

Product development

At our Arvida Research and Development Centre (ARDC), we have a long history of providing the link between innovation and industrial application. We are well-positioned to help you with your aluminium scandium development activities.



START™ for our aluminium-scandium products

START™ labels are also available for our aluminium-scandium master alloys, which allows you to have full visibility of the ESG metrics and provenance of your order.

About START

Powered by blockchain technology, START provides transparency, traceability, and provenance across value chain so that you know your product was sustainably and responsibly produced.

Signing up for START gives you access to the START label, which provides you a holistic view of up to 14 ESG metrics on your sales order. Learn more at startresponsible.com.

About Rio Tinto

Rio Tinto operates in 35 countries—in mines, smelters, and refineries, as well as in sales offices, data centers, and research and development labs. With 52,000 employees, we are working to find better ways to provide the materials the world needs. Rio Tinto's portfolio includes iron ore, copper, aluminium, lithium, scandium, and other materials needed for everyday life, and for the world to cut carbon emissions to net zero. Mining for 150 years, Rio Tinto continues to build on a history and knowledge that span generations and continents.



Contact

Sales and technical inquiries: salesinfo@riotinto.com

Element North 21, Rio Tinto's scandium operation: elementnorth21.com



RioTinto