

# MEET THE MEMBER

## Rio Tinto

**IIMA main contact:** Yujiao Zou, Technical Sales Manager, HPI

**HQ location:** London, United Kingdom

**Size:** 57,000 employees in 35 countries

**Type of IIMA membership:** Producer/Associate



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### Quick description of the company:

Rio Tinto is finding better ways to provide the materials the world needs to grow and decarbonise. Our metals and minerals are found everywhere in everyday life: aluminium for cars, copper for renewable energy technologies, iron ore for the steel in our cities, and lithium for electric vehicles. Today, you'll find our teams in 35 countries seeking opportunities to reduce our carbon footprint, partnering to develop new technologies, and creating new products. We have been mining for 150 years, and we continue to build on a history and knowledge that span generations and continents.

### Recent interesting news or developments:

Rio Tinto Iron and Titanium (RTIT) has started our BlueSmelting™ demonstration plant at our metallurgical complex in Sorel-Tracy as part of the process to validate the BlueSmelting technology, which aims to decarbonise RTIT's Quebec Operations.

The BlueSmelting project involves an ilmenite reduction technology that could generate 95% less greenhouse gas emissions than the current reduction process, enabling the production of titanium dioxide, steel, and metal powders with a significantly lower carbon footprint. This innovative technology was developed by scientists at Rio Tinto's Critical Minerals and Technology Centre in Sorel-Tracy.

### Why are you a member of the IIMA / Best thing about being a member of the IIMA:

We believe in the IIMA's mission to promote the use of ore-based metallurgy, exchange technical expertise, and promote the sustainable production in the steelmaking and foundry industries. Our team of metallurgists are technical expertise leaders within the global foundry industry, and have published many technical documents including two signature books outlining our approach – *The Sorelmetal® Book for Ductile Iron and Ductile Iron Data Book for Design Engineers*. We guarantee the product's high purity and consistent chemical composition, lot after lot. This high consistency level is the result of superior quality ore treated in a closely controlled manufacturing process.

### Additional information:

Rio Tinto has been an IIMA member for a number of years. Representatives attend IIMA meetings and Yujiao Zou, along with her colleague Heddy Ait-idir recently gave a presentation on Finding Better Ways to Net-Zero in Lisbon.

| Contact Details:  |   |
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