Aluminium
Delivering a responsible future together
Rio Tinto Aluminium
value proposition

Proximity to customers

A responsible partner

Consistent high-quality aluminium products

Lowest CO₂ aluminium

Leading technical support

Committed to the long term

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Partnering with us adds value to your business

As one of the world’s leading primary aluminium producers, we bring more than 100 years of manufacturing and technology experience to the table. Today we’re the supplier of choice for hundreds of customers worldwide.

Here are the benefits you can expect when we work together:

• Outstanding products and services wherever you are
• Consistent high-quality products
• Optimised solutions at every step
• By your side for the long term
• A cleaner start to your product lifecycle
• A responsible partner
Outstanding products and services wherever you are

Everywhere you are – that’s where we deliver our high-quality primary metal. With 19 casthouses strategically located across the globe, ‘just in time’ is a promise we consistently keep.

Having your own dedicated regional Sales & Customer Service representatives is your guarantee of the very best personalised service. So is rapid access to the best technical experts for responding to your product and process needs.

“Outstanding”

– that’s how 95% of our 50 top customers ranked our service in a recent independent survey.

A global network of smelters

3.9 million tonnes delivered annually

1 British Columbia, Canada: Kitimat
2 Quebec, Canada: Grande-Baie, Laterrière, Alouette, Arvida, AP60, Alma, Dubuc, PLS, Beauharnois, Bécancour
3 Iceland: ISAL
4 Scotland: Lochaber
5 France: Dunkerque
6 Oman: Sohar
7 Australia: Bell Bay, Boyne Island, Tomago
8 New Zealand: NZAS
Consistent high-quality products

Consistency in the quality and supply of our products outweighs just about everything else. **Your success depends on it** – and so does ours.

And when you offer more than 2,000 commodity and specialised alloys like we do, robust process and supply controls are a must. These controls give both you and us the edge when it comes to unfailing quality and supply consistency.

### Our products

<table>
<thead>
<tr>
<th>Product</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rolling slab</strong></td>
<td>Alloys 1xxx, 3xxx, 5xxx, 6xxx, 8xxx series</td>
</tr>
<tr>
<td><strong>Thickness</strong></td>
<td>300mm-762mm (12in-30in)</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>860mm-2,514mm (34in-99in)</td>
</tr>
<tr>
<td><strong>Lengths</strong></td>
<td>Up to 9,600mm (378in)</td>
</tr>
<tr>
<td><strong>Extrusion billet</strong></td>
<td>Alloys 1xxx, 3xxx, 6xxx and some 7xxx series</td>
</tr>
<tr>
<td><strong>Diameters available</strong></td>
<td>76-355 mm (3in-14in)</td>
</tr>
<tr>
<td><strong>Lengths</strong></td>
<td>305-8,000 mm (12in-315in)</td>
</tr>
<tr>
<td><strong>Small form ingot weight</strong></td>
<td>8kg, 12kg, 14.7kg, 16kg, 23.4kg</td>
</tr>
<tr>
<td><strong>Rod</strong></td>
<td>Alloys 1350, 8030, 8176, 1120, 1080, 5005, 6101, 1188, 4043, 1370, 6201, Al-Zr</td>
</tr>
<tr>
<td><strong>Diameters available</strong></td>
<td>9.53mm, 12.0mm, 12.72mm</td>
</tr>
<tr>
<td><strong>Outer diameter</strong></td>
<td>Width 915mm</td>
</tr>
<tr>
<td><strong>Coil dimensions</strong></td>
<td>Inner diameter 775mm</td>
</tr>
<tr>
<td><strong>Coil weight</strong></td>
<td>60.4 1,533 5,292 2,400</td>
</tr>
<tr>
<td><strong>High purity ingot</strong></td>
<td>Grades from 99.90% to 99.98% purities</td>
</tr>
<tr>
<td><strong>T-ingot weight</strong></td>
<td>625-750kg</td>
</tr>
<tr>
<td><strong>Small form ingot weight</strong></td>
<td>23.4kg</td>
</tr>
<tr>
<td><strong>Remelt ingot</strong></td>
<td></td>
</tr>
<tr>
<td><strong>T-ingot weight</strong></td>
<td>625-750kg</td>
</tr>
<tr>
<td><strong>Sow ingot weight</strong></td>
<td>600-750kg</td>
</tr>
<tr>
<td><strong>Specialty products</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Busbar</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Metal Matrix Composites</strong></td>
<td>Our busbars, anode beams and anode studs enhance current efficiency and cell stability, helping drive down energy consumption.</td>
</tr>
</tbody>
</table>
Optimised solutions at every step

Our comprehensive technical expertise goes far beyond helping you develop the right alloy for your customers. We also provide cost-effective solutions to streamline and optimise your supply chain and manufacturing processes.

Actively participating in global research programmes helps us to continuously improve customer products and processes across several industries. It’s one of the ways we boost your productivity and drive down your costs.
Innovation that never ends

We continue to invest in our research facilities in Voreppe (France) and Saguenay (Canada) to develop technologies and specialised alloys for the automotive, building and construction and other industries. As an example, we developed a five-year programme focussed on automotive and transportation applications at CRDA, our research centre in Canada.

Our cutting edge alloys
Automotive customers use our innovative Aural™ 2 foundry alloy in emerging aluminium applications such as shock towers, torque boxes and battery boxes. Our 31104 long life billet alloy is the benchmark for the HVAC (Heating, Ventilation and Air-Conditioning) industry.

A heat treatment free Aural-X alloy for automotive structural castings as well as high strength wheel alloys for light-weighting vehicles are also under development.
By your side for the long term

Despite a challenging economy, we continue to invest in meeting your evolving and long term needs through new value-added product capacities and improved alloys.

Our investment strategy focuses on initiatives that provide the most value for you. This includes maintaining top performing assets, best in class technology and industry leading expertise.

From our low cost expandable assets to our advanced and competitive smelter technology – you can count on us. Additional strengths include our fully integrated supply chain, from the mine to the casthouse, and secure, long term energy supply.
A cleaner start to your product lifecycle

Your customers are more discerning than ever. They want to know where and how your products are made and what impact they have on the environment. That’s why aluminium recycling is no longer enough. Our aluminium products and services help reduce your CO₂ footprint and provide a cleaner start to your product lifecycle.

Our advanced AP Technology™ and largely carbon free energy lie at the heart of RenewAl™, the industry’s first low CO₂ primary aluminium.

A comprehensive package that includes:

- **Assured CO₂e content**
  - 4tCO₂e/tAl or below
  - Tonnes of CO₂e emitted per tonne of aluminium produced

- **Customised services**
  - **Certification**
    - Third-party certified CO₂e emissions (Scope 1&2)
  - **Technical expertise**
    - Assistance in leveraging low CO₂ aluminium
  - **Traceability**
    - Product tracked from mine to metal
  - **CO₂ reduction strategies**
    - Support to optimise your low CO₂ sources
  - **Lifecycle analysis**
    - Contribution to specific calculation on lifecycle
  - **Co-branding**
    - Unique partnerships with RenewAl™
A responsible partner

Part of our responsibility includes helping to make our world a better place. Here are a few of the ways we’re doing just that.

**Environment**
Taking pride in what we leave behind
RenewAl™, our low CO₂ primary aluminium, contributes to greener cars, buildings, packaging and electronics around the globe.

**Social**
Building resilient local communities
We partnered with the Indigenous charity Indspire and the Canadian government to create the $2 million “Rio Tinto Award for Indigenous Students” to help Indigenous youth pursue post-secondary studies.

**Governance**
Ensuring transparency and accountability
Annual certification of all employees to *The way we work*, our global code of conduct, helps promote the values and behaviours we expect from our people.

**Economic**
Supporting regional economic development
During the recent modernisation of our Kitimat Smelter in British Columbia, Canada, we awarded contracts worth more than C$200 million to Haisla Nation and Haisla-related businesses.
Fostering greater responsibility industry wide

As co-founder of the Aluminium Stewardship Initiative (ASI), we put our commitment to environmental, social, governance and economic sustainability into action. ASI is a non-profit organisation which exists to administer an independant third-party certification programme for the aluminium value chain. This standard will be used to assess aluminium suppliers’ governance, environmental and social performance at every stage.
Americas

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