

Sustainable development and competitiveness What it means for RTA

World Materials Forum
June 23rd - 24th 2015
Nancy, France



Sustainable development and competitiveness

The drivers

Best Technology

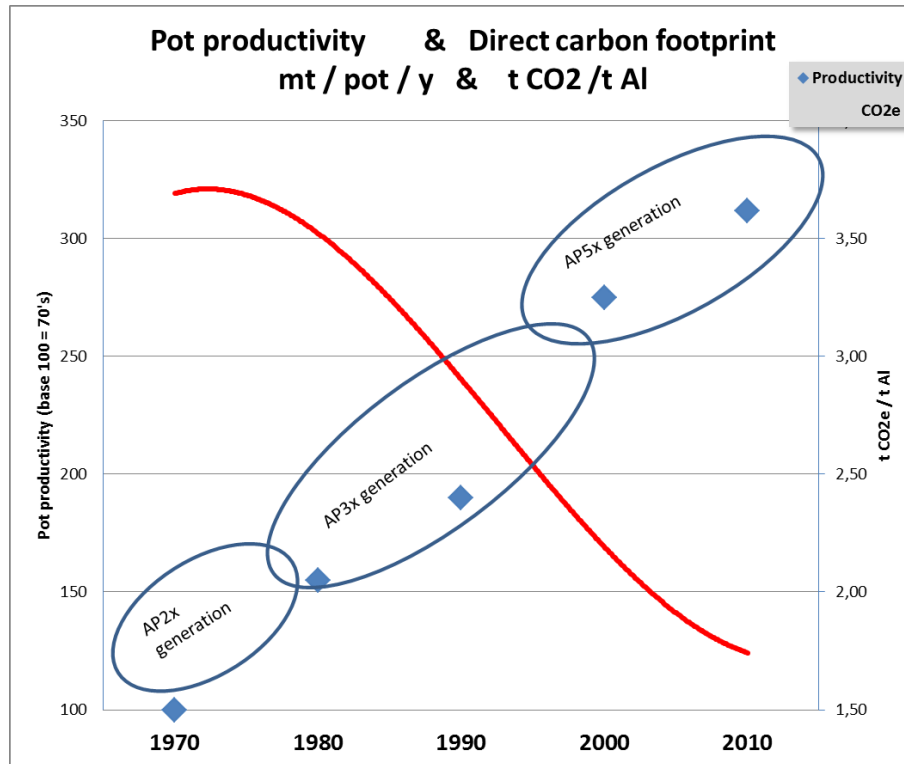
Best Practices in house

Meeting society's needs with the right products

Engagement with all stakeholders

The winning conditions for innovation:
when technology and market meet

Improving productivity while reducing Greenhouse Gases (GHGs)



- **Best-in-class AP technology™ (i.e. APXe)**
- **Technological breakthrough (inert anodes)**
- **Operational excellence (HSE, quality, process, eg. anode effects)**
- **Clean and secure energy**

Rio Tinto Alcan has been a leader in the development and implementation of GHG reduction technologies

Creating mutual value for the long term

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The winning conditions going forward



Traditional owners consultation, Weipa



Native seeds for land rehabilitation, Weipa

Maximizing productivity while well managing our impacts on people and environment

- **Safety First**
- **Code of conduct:** integrity & transparency
- Be the best partner for our communities and other stakeholders
- Minimizing the impact of our activities on environment and biodiversity

Aluminium contributes to solving world's most challenging issues

- Best Technology
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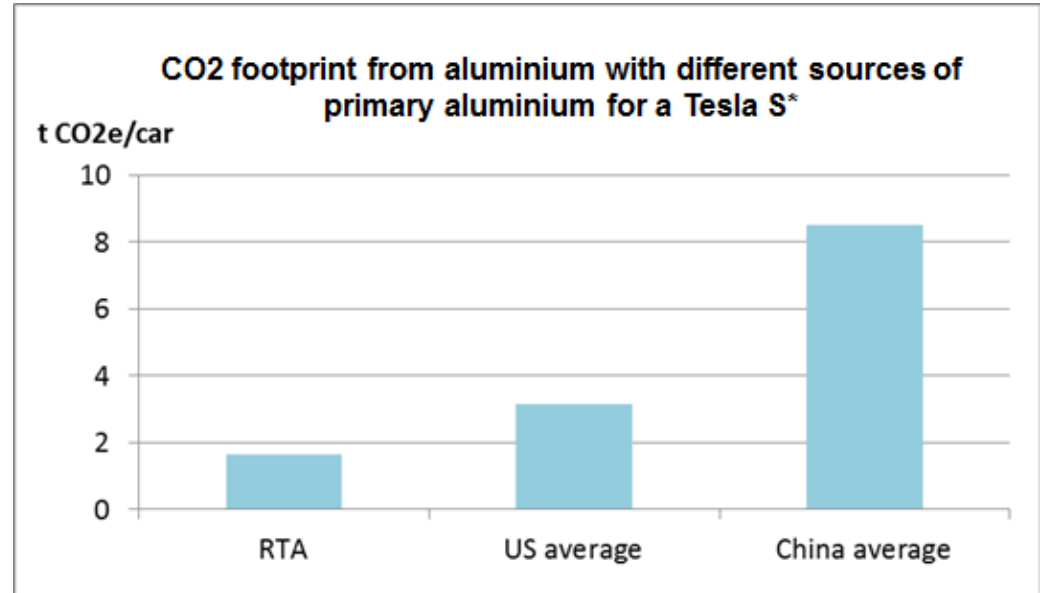
Lowering greenhouse gas emissions (GHG) through lighter vehicles



Bringing energy efficiency for cities and buildings

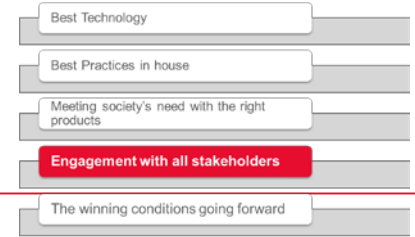


Preserving food and medicine through its unique barrier properties



*Assuming extrusion and sheet are all made from 100% primary aluminium and castings are made from 100% secondary aluminium

Partnering with the entire value chain for better material stewardship



The Aluminium Stewardship Initiative



- Foster greater environmental and social accountability
- Across the aluminium value-chain
- Set of criteria for assessing companies and materials
- Collaborative platform

External factors drive sustainable success

Best Technology

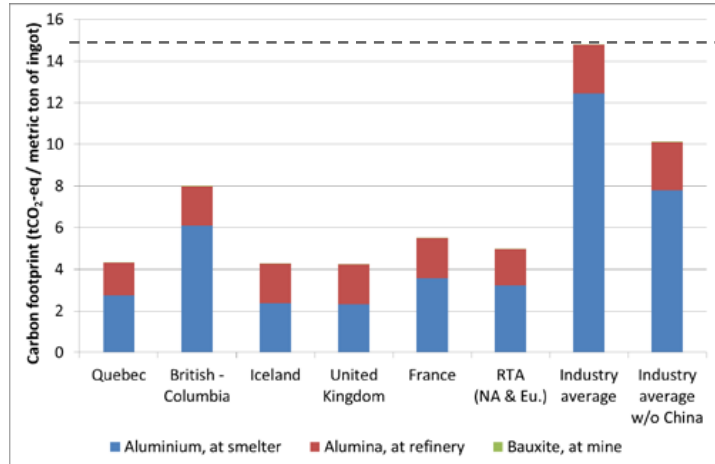
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Carbon footprint of aluminum (cradle to gate Life Cycle Analysis)



Companies have solutions for a low carbon industry and shared value creation, but they need the right conditions:

- Positive and predictable policies
- With level playing field vs other region (e.g. China)
- Support for innovation
- Competitive energy costs



ISAL smelter Iceland

The winning conditions for innovation: when technology and market meet

