



Vision 2050: a vision for strategic, low carbon and competitive aluminium

By Gerd Götz, Director General of European Aluminium

- 8th Aluminium Symposium 10-12 October 2019, Istanbul

1 / Who we are

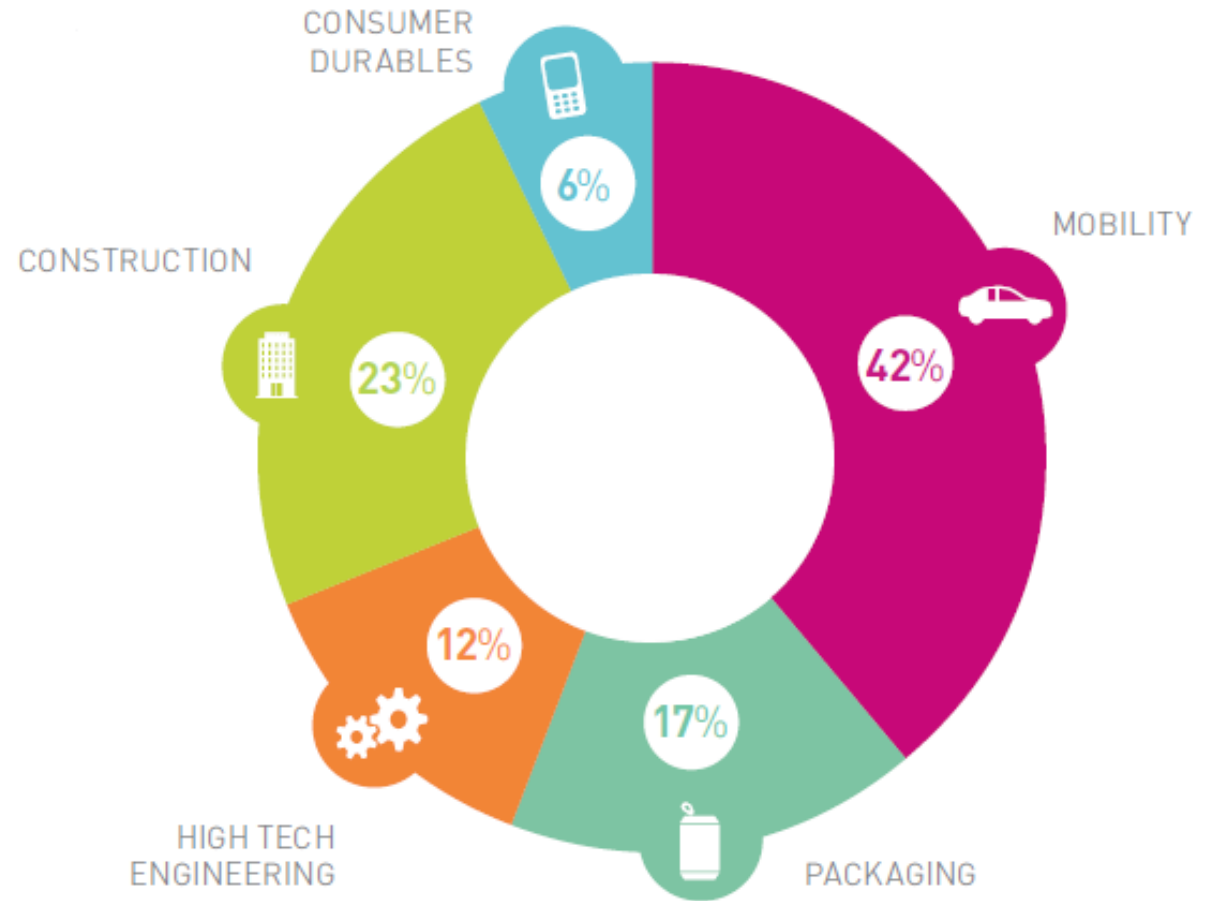
80+ Members

Approx. **600** plants in 30 countries
(EU 28, EFTA and Turkey)

1 million + Direct and indirect jobs

€40 Billion annual turnover [2018]

Aluminium use in key markets



2 / The EU's mid-century strategy



3 / Our Vision 2050



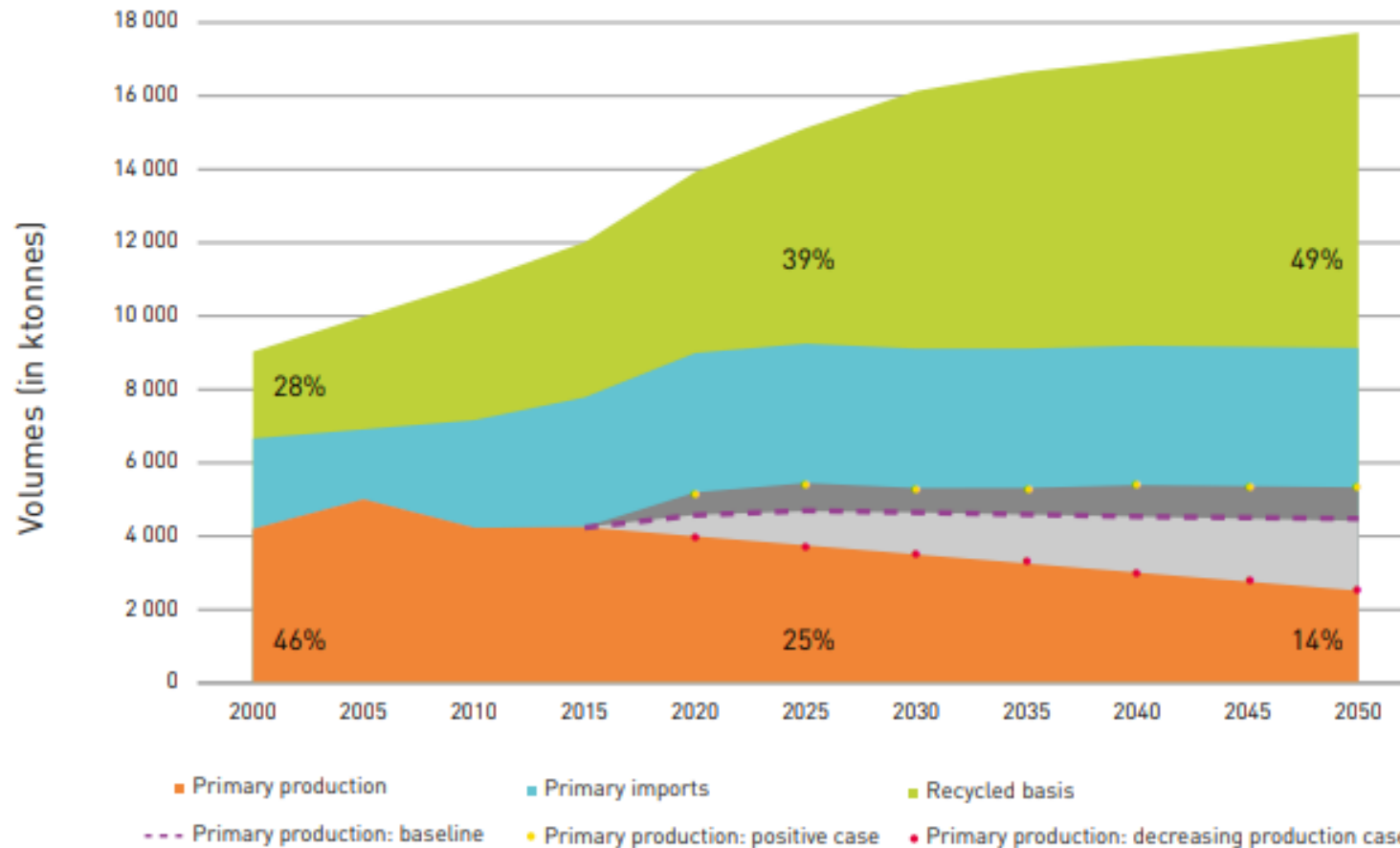
4 / Our Sustainability Roadmap Towards 2025



5 / Decarbonisation pathways by 2050

European aluminium demand for aluminium ingot (2000 - 2050)

Including a decreasing production case, a positive and a baseline scenario for the primary production in Europe (i.e. EU28+EFTA)



Highlights:

- Total CO2 emission reductions in the primary aluminium production could reach up to **70% by 2050**.
- **Today, the carbon intensity of European primary aluminium production is three times lower than in China.**
- To meet Europe's climate goals, we need to **preserve the primary production in Europe (vs. imports) and further boost recycling.**

6 / EU is squeezed between the USA and China

USA

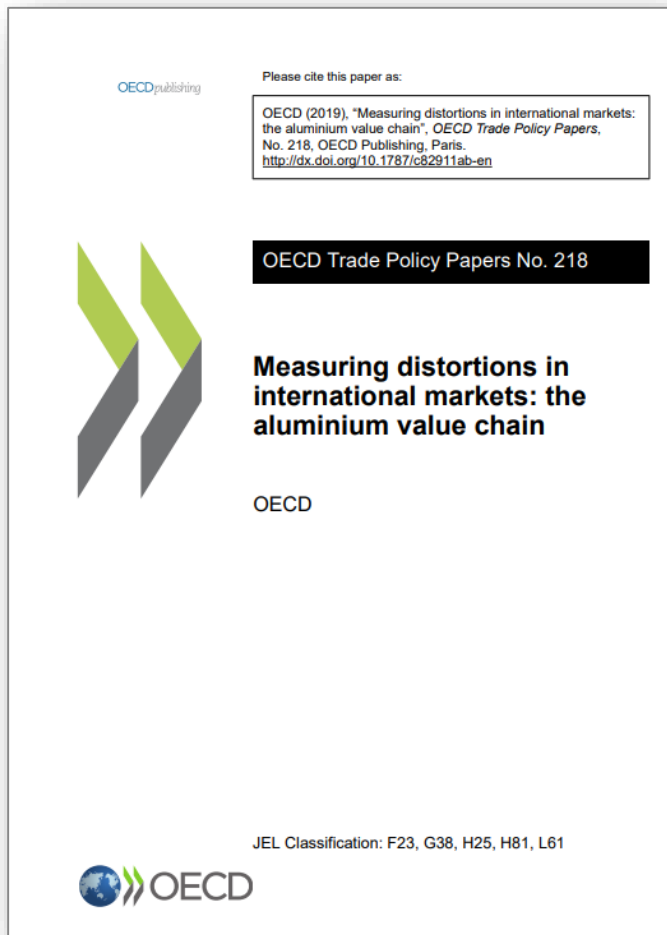
- Tariffs on aluminium and steel (Section 232)
- Potential tariffs on cars and auto parts (Section 232)
- Tariffs on Chinese goods (Section 301)
- Airbus-Boeing dispute on subsidies
- US demands for opening EU market to its agri-foods



CHINA

- Aluminium excess capacity which depresses LME price
- Growing aluminium exports to Europe
- Chinese policies supporting exports of aluminium products impact the entire value chain in EU by reducing demand for locally manufactured products.

7 / OECD report recognises distortions of competition



- The OECD report recognises **that non-market forces are responsible** for some of the recent increases in aluminium smelting capacities with impact throughout the value chain
- 17 international companies received up to USD 70 billion in different forms of support over the 2013-2017 period
- 85% of the documented subsidies went to just 5 Chinese firms
- The report acknowledges *“excess capacity in the sector that is depressing global aluminium prices and threatening the viability of producers worldwide”*

8 / I+Manifesto




9 / Aluminium associations for free & fair trade




Associations leaders from the U.S, Canadian, Japanese and European aluminium associations at the Montreal Aluminium Summit 2018

10 / Innovation Hub



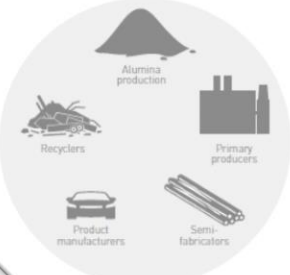
INNOVATION HUB:

ALUMINIUM AT THE CENTRE OF A SUSTAINABLE EUROPE







ABOUT OUR HUB

The unique properties of aluminium make it a vital component for delivering a sustainable Europe. European Aluminium's Innovation Hub will help drive and create this future. Launched in 2015, the Innovation Hub is a community made up of companies from across Europe's aluminium value chain:



OUR GOALS

-  Building a proactive community of innovative companies across the value chain
-  Triggering research projects that advance a sustainable future and tackle technological challenges
-  Connecting with the EU innovation agenda and relevant funding opportunities
-  Engaging with the Public Private Partnerships that define the EU's research agenda and priorities

WHY ALUMINIUM?

Aluminium is an effective solution to the sustainability ambitions of European society. Its exceptional combination of lightness, durability and infinite recyclability make it both an ideal material to drive the circular economy and an essential contributor to creating a low-carbon Europe. Aluminium is used in an increasing range of applications:



7 INNOVATION OBJECTIVES

1. Higher energy efficiency and reduced CO₂ emissions
2. Greater resource efficiency
3. Lower environmental impact
4. Optimal process technologies
5. New materials
6. Better enabling technologies
7. Improved skills and education

JOIN OUR COMMUNITY

european-aluminium.eu/policy-areas/innovation



POLICYMAKERS

Discover the advantages of aluminium and help develop funding programmes and instruments to realise this potential



ALUMINIUM INDUSTRY

Are you a member of European Aluminium? You can become an Innovation Hub supporting member



COMPANIES AND EXPERTS

Exchange innovative ideas around aluminium, particularly on enabling technologies



ACADEMIA AND RESEARCH INSTITUTES

Submit project ideas for improving the aluminium value chain

Contact

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/ Thank you for your attention

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