ALUMINIUM

SHAPING SOLU FOR A SUSTAI SOCIETY

European aluminium: A sustainable material and value chain

At European Aluminium, we understand sustainable aluminium as aluminium that is produced with rigorous processes that respect high environmental, social and governance (ESG) standards considering all steps of the aluminium value chain, from sourcing raw materials to managing end-of-life products.

THE BASE METAL FOR THE GREEN TRANSITION

Aluminium is the base metal for Europe's transition to a climate-neutral and circular economy, helping realise the ambitions of the European Green Deal. In its use phase, aluminium delivers energy and CO, savings that enable the decarbonisation of other sectors, including mobility and transport, buildings, packaging and clean energy technologies. The endless recyclability of our metal further contributes to decarbonisation and the circular economy.

ALUMINIUM: A TRULY CIRCULAR MATERIAL

75%

of all aluminium ever produced is still in use today

-95% energy needed to recycle aluminium compared to primary production

51% of Europe's production comes from recycled aluminium

Our Sustainability Roadmap Towards 2025

The European aluminium industry started its collective journey towards sustainability long ago. In 2015, we launched our Sustainability Roadmap Towards 2025. Complementing existing legislative requirements, the Roadmap outlines the industry's sustainability objectives in the areas of production, applications and society. The Roadmap is complemented by our Vision 2050 for a low carbon industry by 2050 and the Circular Aluminium Action Plan, the sector's strategy for achieving aluminium's full potential for a circular economy by 2030.

PROGRESSING ON THE EUROPEAN INDUSTRY'S SUSTAINABILITY ROADMAP





contribution for a sustainable



environmental stewardship very seriously. We focus on reducing the environmental impact of the industry's activities by sourcing raw materials responsibly, minimising waste, water and energy consumption, as well as greenhouse gas emissions.

The European aluminium industry takes

The European aluminium industry is committed to not only health and safety at the workplace but also to being a progressive and inclusive industry, partner and employer benefitting the wider community.

Thanks to its unique properties (light weight, formability, conductivity, corrosion resistance, impermeability etc.) and endless recyclability - what we call the Aluminium Effect - aluminium is the material of choice for many applications. The goal for all aluminium-containing products is to unleash the Aluminium Effect and enable sustainable product solutions and the circular economy.

Beyond 2025

This is the Decade of Action and the European aluminium industry is committed to continuously evolving our sustainability objectives to deliver on our ambitions and mission. That is why we set a new aim of climate-neutrality by 2050. We are poised to work with energy operators, policy makers and other stakeholders to develop an enabling legislative and funding framework that will help us reach our aim. In parallel, we are developing concrete pathways for our industry to decarbonise. For example, by increasing the share of aluminium recycling, we can reduce 39 million tonnes of CO, per year by 2050.

Monitoring our Sustainability Performance

European Aluminium has been monitoring the industry's economic, social, and environmental performance for over 20 years. The progress towards our Sustainability Roadmap objectives is regularly tracked via a broad set of Sustainable Development Indicators, using data collected from aluminium companies operating in Europe. We are committed to transparency and regularly publish public reports and verified data on our sustainability performance. In 2021, we compared our progress against the Roadmap's objectives in a broad mid-term review.

SET TO DECARBONISE OUR ALUMINIUM PRODUCTION To reach climate-neutrality by 2050 we will develop pathways for:



alu Maximising aluminium

Reducing direct emissions with breakthrough technologies

Electricity decarbonisation

recycling

2021 MID-TERM REVIEW: OUR PROGRESS TOWARDS THE ROADMAP'S TARGETS



Partnerships for Change

Building a sustainable industry is a collective effort and partnerships are essential. In 2016, European Aluminium joined the Aluminium Stewardship Initiative, a multi-stakeholder, standards-setting and certification body launched to foster the responsible production, sourcing and stewardship of aluminium across the value chain. In 2021, European Aluminium also joined CSR Europe's Pact for Sustainable Industry to help us scale our sustainability efforts in line with the EU sustainability objectives. Finally, European Aluminium's Innovation Hub collaborates with other sectors to reduce the value chain's footprint. Today, the Innovation Hub participates in nine cross-sector projects, which address the entire aluminium value chain