



Derin Akersoy, Senior Marketing and Communications Manager, Assan Alüminyum

Driving sustainability in the aluminium industry: Assan Alüminyum's commitment to a greener future

As a global leader in flat-rolled aluminium production, Assan Alüminyum stands at the

forefront of the industry's shift towards more sustainable and responsible manufacturing

practices. The company's unwavering commitment to minimising its environmental impact has led to significant strides in innovation, resource efficiency, and decarbonisation. Assan Alüminyum is demonstrating how sustainability and industrial growth can coexist, setting an inspiring example for the entire aluminium sector.

A cornerstone of Assan Alüminyum's sustainability efforts is its recently unveiled Decarbonization Roadmap. This ambitious plan outlines key targets on the company's journey toward achieving net-zero emissions by 2050. The roadmap includes two critical interim goals: reducing carbon emissions to 7 tons of CO₂e per ton of aluminium produced by 2030 and further lowering this figure to 3 tonnes of CO₂e per ton by 2035. These ambitious targets depict Assan Alüminyum's leadership in environmental responsibility.

Recycling-friendly alloys:

Pioneering carbon reduction

One of the most impressive aspects of Assan Alüminyum's environmental strategy is its focus on developing recycling-friendly alloys through its own know-how. By utilising a higher proportion of non-primary, recycled aluminium in its products, the company is aiming to reduce its carbon footprint. These alloys can reduce emissions by up to 90% compared to conventional alternatives, making them an essential component of the company's vision for a sustainable future. This focus on recycled raw materials not only contributes to the circular economy but also aligns with the broader push across industries to reduce dependency on primary resources. The emphasis on recycling and resource efficiency resonates with key sectors like automotive, packaging, construction, and consumer goods, where sustainability is increasingly a core focus.

Renewable energy: Powering a sustainable future

Further driving its sustainability credentials, Assan Alüminyum is investing in renewable energy to offset a significant portion of its market-based carbon emissions. The company's hydroelectric power plant in Manavgat and the recent acquisition of a solar power plant in Karaman are critical in generating clean energy. By utilising these renewable

in its overall decarbonisation strategy. Through the generation and procurement of International Renewable Energy Certificates (I-REC), the company demonstrates transparency and accountability in its renewable energy claims.

Aligning with global standards: ASI certification and CDP recognition

Assan Alüminyum's material stewardship is reinforced by



sources to produce clean energy, Assan Alüminyum is able to offset its market-based Scope 2 emissions, a key factor

its active participation in the Aluminium Stewardship Initiative (ASI), which sets globally recognised sustainability standards for the whole aluminium value chain. The

company's commitment to the ASI Performance Standards ensures that its operations are continuously audited and

aligned with best practices in environmental, social, and governance (ESG) criteria. This rigorous commitment to transparency and accountability has earned the company a highly respected CDP score of B, reflecting its advanced management of climate-related risks, water security, and deforestation concerns.

“We see our engagement with ASI as an integral part of our sustainability mission,” says Göksal Güngör, General Manager of Assan Alüminyum. “By staying committed to these stringent standards, we not only maintain high operational integrity but also demonstrate our dedication to the global sustainability principles.”

Sustainable supply chains: K-STAR program

Recognising that sustainability must extend beyond its own operations, the Kibar Group, of which Assan Alüminyum is a wholly-owned subsidiary, has taken a leadership role in

promoting sustainable practices across its entire supply chain. The recently launched K-STAR Supplier Sustainability Program reflects this commitment. As a part of this program, the group engaged with 875 suppliers across 59 sectors in 41 countries, encouraging them to adopt sustainability principles and reduce their environmental and social impact. This collaborative initiative not only enhances the sustainability of the company’s supply chain but also helps to build a more sustainable ecosystem across industries.

Empowering key sectors

Assan Alüminyum’s flat-rolled aluminium products serve a wide range of industries, including automotive, packaging, HVAC, construction, and consumer durables. Aluminium’s inherent properties, such as its lightweight, high conductivity, durability, and recyclability, make it indispensable in these sectors. The automotive industry, for example, benefits from aluminium’s ability to

improve fuel efficiency in internal combustion vehicles and extend the range of electric vehicles. Similarly, the packaging industry gains from aluminium's impermeability and recyclability, both of which contribute to a more sustainable supply chain and reduced environmental impact.

Financial support for green initiatives

Assan Alüminyum's sustainability journey has been bolstered by significant financial backing, particularly through the adoption of the first Green Finance Framework in the Turkish aluminium sector. The company secured a \$90 million USD Green Loan from the International Finance Corporation (IFC), which will fund green investments aimed at reducing the environmental footprint of its operations. This financing is a strong endorsement of Assan Alüminyum's vision and commitment to embedding sustainability across all aspects

of its business.



Leading the industry towards a greener future

From its ambitious decarbonisation goals to its recycling-friendly alloys and renewable energy investments, Assan Alüminyum is shaping the future of the aluminium industry. With a total production capacity of 360,000 tonnes of flat-rolled aluminium and a position as one of Europe's two largest producers of aluminium foil, the company's impact on the industry is significant.

“Our top priority is to integrate sustainability, one of our core values among reliability, flexibility and innovation, into every aspect of our operations,” says Güngör. “Whether it's through our product innovations, supply chain programs, or investments in renewable energy, we are committed to leading the aluminium industry towards a more sustainable future.”

Assan Alüminyum's dedication to sustainability and innovation

ensures that it remains a global leader in flat-rolled aluminium while inspiring others to follow its example in protecting the environment for future generations.