



Alleima is already positively impacting society through its products and operation.

Alleima: sustainability driver at its core

Sustainability is present in all aspects of Alleima operations and an integral part of the commercial strategy. Based on leading R&D capabilities, over time, Alleima has built a portfolio of products that have made the company an industry frontrunner, with solutions contributing to sustainability and to the transition to renewable energy sources.

By Tanya Rudra

On August 31, 2022, at 9.00 CET, Göran Björkman, President and CEO, ushered in a new era of growth, innovation, operational and commercial excellence, and sustainability at Alleima. Formerly well-known as Sandvik Materials Technology, the company changed its name to Alleima, and was listed on Nasdaq Stockholm as a stand-alone company.

Today, Alleima is a leading advanced materials company, and as a stand-alone entity, the organisation has better opportunities to deliver on its strategy and strategic growth areas.

Alleima manufactures high-value-added products in advanced stainless steels,

special alloys, and industrial heating products with strong market positions in a wide range of niche end markets. Through close long-term customer partnerships, the company finds innovative ways to solve its customer's complex challenges to make its operations safer, more efficient, profitable, and sustainable.

900 ways to make a change

With innovation at its core, Alleima currently has a portfolio of more than 900 active alloy compositions for processing into different niche applications – and over 850 patents.

The offering includes products like seamless steel tubes for the energy, chemical and aerospace industries, and precision strip steel for white goods compressors, air conditioners and knife applications. It also includes ultra-fine wires for medical and micro-electronic devices, industrial electric heating technology and coated strip steel for fuel cell technology for cars, trucks, and hydrogen production.

Sustainability and circularity are integrated parts of Alleima's everyday operations. With products and solutions that enable greater energy efficiency, renewable energy production and greener transportation, Alleima has identified sustainability as the key success factor to compete within its industries.

The glittering portfolio

Alleima solutions are found in the most inhospitable environments, where the chemical composition is critical to meet the feature requirement of an application. The products help provide customers with

corrosion and high-temperature resistance.

Its materials technology solutions enable the transition to electrification and renewable energy sources, as these technologies demand lighter, stronger materials and materials that withstand higher temperatures and more corrosive atmospheres.

Some examples that can contribute to the renewable energy sector, are tubular products for solar power, carbon capture and storage and hydrogen refuelling stations. Alleima products can also contribute to areas such as geothermal energy, industrial heating technology for the conversion of gas to electric industrial heating, coated strip steel for the most critical component in a fuel cell engine, the fuel cell stack, and compressor valve steel that increases the energy-efficiency of compressors for white goods or air conditioners.

Additional solutions, that help reduce environmental impact are seamless steel tubes for the energy, chemical and aerospace industries, and precision strip steel for energy-efficient white goods compressors.

"Sustainability is an integrated part of our



Mr Göran Björkman, President and CEO, Alleima.

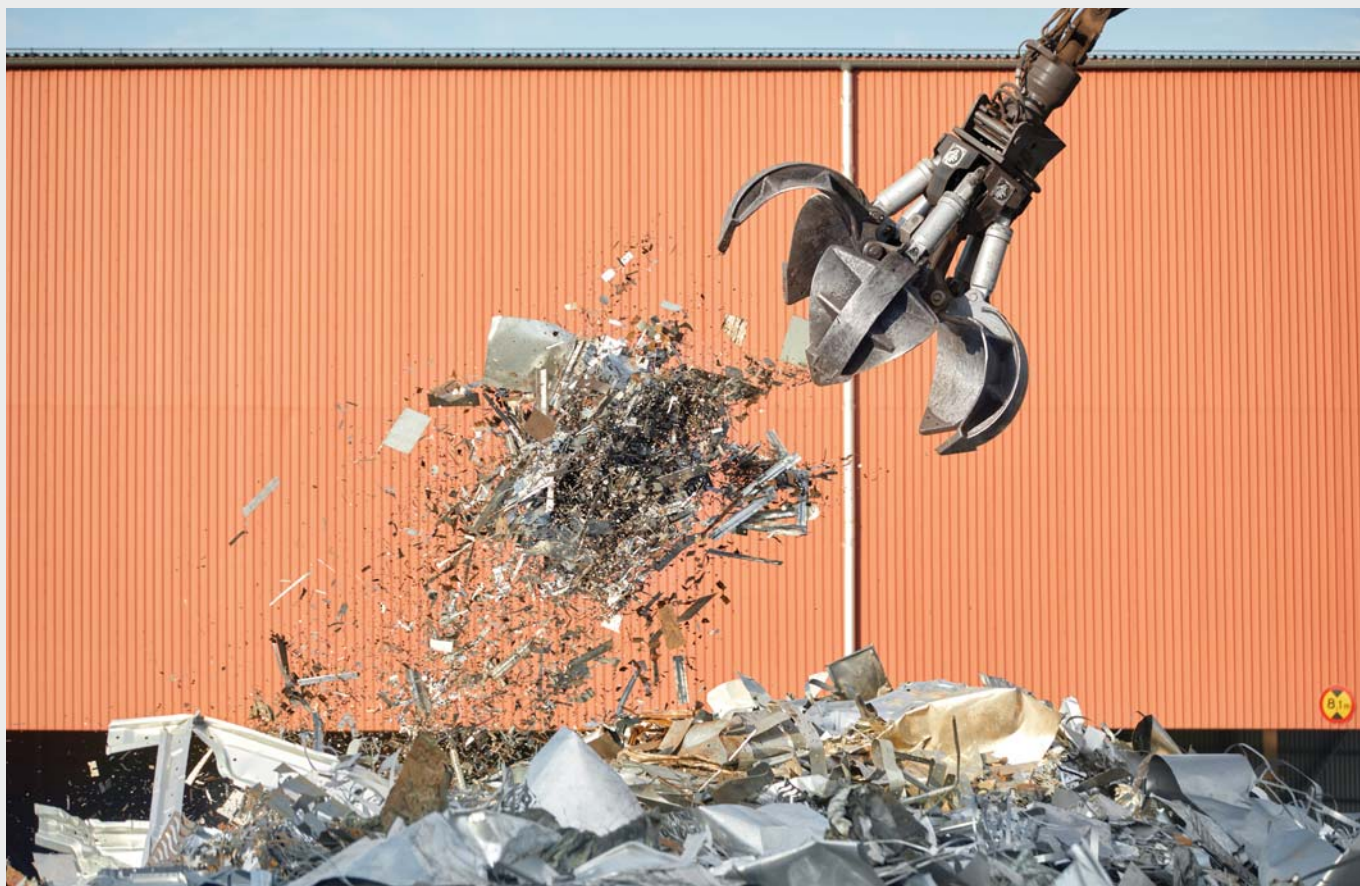
strategy, it is part of our DNA, and of crucial importance for the society around us as well as for our customers. Our products can really make a change for our customers to be more sustainable therefore it is crucial that we work closely together to help the to get the most preferable solutions for them," says Göran Björkman.

The circularity ambitions

Alleima aims for industry-leading sustainability and circularity also in its own operations. Simply put, circularity is a system that aims to eliminate waste and maximize the reuse of resources. Steel is an excellent example of circularity as scrap can be turned back repeatedly into new steel, retaining its original properties.

Steel is made from either primary sources that include extracting iron ore and transforming it into pure iron; or from secondary





Alleima's production has been based on recycled steel for more than 100 years.

sources, that involve remelting steel scrap into new steel, or a combination of both.

Global emissions from steel are primarily generated while producing steel from primary sources. Producing steel from scrap uses mainly electricity and emits significantly less. In fact, producing steel from secondary source steel scrap with renewable electricity results in a very low-emitting circular material.

While the global steel industry has just begun the transition, Alleima production has been based on recycled steel for more than 100 years. Alleima products consist of more than

80% recycled steel, some of which are procured through the materials buy-back program. In 2020, Alleima even started a buy-back program for its products that have been used for over 20 years.

"This is very effective for us. We can optimise when re-melting when we know exactly what product it is. We get stainless steel back, but we also help the customer get rid of old material. The customer, like us, wants to make the process as circular as possible," says Håkan Sundström, Head of Sustainability and Governance at Alleima.

The company also aims to put all the by-products and waste to

use and be an industry leader in circularity.

Today, more than 96% of the electricity used in its global processes is fossil-free and since 2013 all Europe operations have been running on 100% green power.

The sustainability promise

Though Alleima is already positively impacting society through its products and operations, the company has set ambitious climate and circulatory goals for itself. Alleima has committed to reaching a 50% reduction of greenhouse gas emissions by 2030 and achieving net zero latest by 2050.



Alleima leads the market in sustainability and circularity in both product offerings and operations.

Alleima is a signatory to several international principles and initiatives, including the United Nations' global goals for sustainable development and the United Nations Global Compact. In 2022, Alleima also joined the Science Based Targets initiative (SBTi).

By committing to SBTi, Alleima expanded the scope of its entire value chain and set long-term net-zero targets, consistent with the Paris Agreement.

"This is a natural step for us in doing our part in combating climate change. As scientists have shown, the CO₂ emissions must come down to much lower levels and the Paris Agreement with

its 1.5-degree target is clear," Håkan Sundström adds.

The unbreakable contract

An industry frontrunner already today, Alleima is committed to continuing working with its customers and communities to develop further innovative changes that bring a real difference.

Although the sustainability path is not a new one for Alleima, the company aims to reach even greater milestones.

The company promises to be a leading force in the world of advanced stainless steel and special alloys and create sustainable solutions of the highest quality.

"With a clear direction for our journey ahead, utilizing our position as a technology leader, progressive customer partner and sustainability driver, we aim to become an even stronger and independent company within our industry," Göran Björkman concludes.

How it all started – Did you know?

Alleima history dates back to 1862, when Göran Fredrik Göransson started Sandvikens Jernverk, and developed the Bessemer process which made it possible to manufacture steel on an industrial scale. So, he set forth on a long, rich journey of advancing industries and societies through innovation.

