

EVONIK

To Improve Life, Today and Tomorrow

Evonik Industries AG is one of the world leaders in specialty chemicals. Active in more than 100 countries around the world, Evonik goes far beyond chemistry to create innovative, profitable and sustainable solutions for customers. While it may not manufacture tires, medications, or animal feeds, Evonik's products make tires fuel-efficient, medications more effective, and animal feeds healthier. More than 33,000 employees work together for a common purpose: They want to improve life, today and tomorrow.

LEADING BEYOND CHEMISTRY FOR VALUE-ADDED SOLUTIONS

To create sustainable, value-added solutions for customers, Evonik applies their purpose Leading beyond chemistry to improve life, today and tomorrow. It leads beyond chemistry by networking competencies, perspectives, and partners.

Evonik is embarking on the next phase of its strategic transformation. Sustainability is being integrated fully and systematically into all elements of the strategy: portfolio management, innovation, and corporate culture.

The key elements of Evonik's sustainability strategy are:

- Giving sustainability a firm place in its market proposition and purpose
- Integrating sustainability into its strategic management process
- Increasing the proportion of attractive growth businesses in its portfolio with a clear focus on sustainability (Next Generation Solutions)
- Foresighted resource management with ambitious environmental targets, including systematically considering the impact of its business along the value chain and on the Sustainable Development Goals (SDGs)
- Continuous improvement of its sustainability reporting

Next Generation Technologies

Beyond Next Generation Solutions, by 2030, Evonik aims to invest €700 million

in Next Generation Technologies, i.e., the optimization of production processes and infrastructure to avoid CO₂ emissions.

Evonik aims to reduce its footprint by significantly cutting both direct and indirect greenhouse gas emissions from production and processing. With the support of Next Generation Technologies, Evonik will reduce its scope 1 and 2 emissions by 25 percent, from 6.5 million metric tons at present to 4.9 million metric tons by 2030. This goal is fully consistent with the requirements of the Science Based Targets initiative (SBTi), which Evonik is committed to (well below 2° C).

TECHNOLOGY LEVERAGING SUSTAINABLE GROWTH

Evonik's Research, Development & Innovation unit is also fully integrating sustainability into the management of its innovation activities. Innovative capability is a key factor in leveraging green and profitable growth for the organization. Evonik aims to generate additional sales of over €1 billion with its six innovation growth fields by 2025. The six innovation growth fields are:

- Sustainable Nutrition: establishing new products and services for sustainable nutrition of livestock and people
- Healthcare Solutions: developing new materials for implants, as components of cell culture media, and for custom-tailored, innovative drug formulations
- Advanced Food Ingredients: creating a portfolio of health-enhancing sub-

stances and nutritional supplements as a contribution to healthy nutrition

- Membranes: extending SEPURAN® technology for efficient gas separation to further applications
- Cosmetic Solutions: developing further products based on natural sources for cosmetics and sensorially optimized formulations for skincare products
- Additive Manufacturing: developing products and technologies for additive manufacturing

MEETING CHANGING CONSUMER BEHAVIOR TRENDS

Evonik's Care Solutions business line generates the highest growth rates in its core European market with natural cosmetics and alternative preservatives and has aligned its portfolio to this in recent years, highlighting the correlation between Evonik's sustainability efforts and business performance.

The business line's product applications range from hair and skin care, sunscreen, and bath and shower products to decorative cosmetics, anti-aging ingredients and deodorants. Nearly 90 percent of the products currently marketed by Care Solutions are based on a proportion of renewable raw materials. Life cycle analyses ensure the necessary transparency from the origin of the raw materials through



Evonik invested in developing a realistic 4D model of human skin to provide a sustainable alternative to animal testing.

the traded end-product to what happens to potential decomposition products after use.

Additionally, Evonik also invested in a Singapore start-up to support the development of a realistic 4D model of human skin. The technology provides an alternative to animal testing that is also quicker, more reliable and cost efficient. As consumers and regulations are turning away from substances that have been tested on animals, this investment is a clear course towards Evonik's goal of supporting emerging technologies that look beyond the way research is done today to accelerate more sustainable and ethical practices.

ACTIVITIES IN SINGAPORE

Evonik has been active in Singapore for over 40 years starting off with importing a broad range of products, and later with productive engagement. Supplying and producing locally, the organization constantly steps up its presence to strengthen the competitiveness of its customers through research and applications technology and technological services.

Sustainability on Jurong Island

Its manufacturing activities in Singapore include an oil additives production site and two world-scale DL-methionine production complexes on Jurong Island.

Evonik is a leading global supplier of high performance VISCOPLEX® lubricant additives and VISCOBASE® synthetic base fluids for the automotive and industrial lubricants. Evonik opened its Oil Additives plant on Jurong Island in 2008 and nearly doubled the production capacities in 2015, making it its largest Oil Additives production site within Evonik's global network.

In 2014, Evonik opened the production complex for MetAMINO®, the essential amino acid DL-methionine used in sustainable animal feed. To better serve the



Evonik's second DL-methionine plant in Singapore.

strong demand in Asia, Evonik opened its second DL-methionine complex beside the existing plant in 2019. The plants are worth a combined investment of €1 billion, and supply about 300,000 metric tons of MetAMINO® to poultry, swine and aquaculture businesses worldwide. Together, they make Singapore the largest DL-methionine site and contributor within Evonik's global network.

MOU under SG Green Plan 2030

Evonik has signed a Memorandum of Understanding (MoU) with other industry partners seeking to explore the development of Carbon Capture and Utilization Translational Testbed (CCUTT) facility on Jurong Island for accelerating industry adoption of emerging Carbon Capture and Utilization technologies. This MoU will enable companies on Jurong Island to rapidly pilot and scale-up new Carbon Capture and Utilization technologies, and work towards a low carbon future.

This is part of the Singapore Economic Development Board's "Sustainable Jurong Island" plan, which builds on the sustainability ambitions for Jurong Island that were first announced in the Green Economy pillar of the Singapore Green Plan 2030.

Research & Development hub

Singapore is also home to Evonik's Research and Development (R&D) hub in the region including its innovation and technical service centers for coatings, animal

feed, polyurethane additives and Beauty & Care.

In 2018, Evonik opened its Asia Research Hub in Singapore, internationalizing research to develop next generation solutions for sustainability, including in the areas of functional surfaces, additive manufacturing and tissue engineering. Since its inception, the Hub has already conceptualized and developed novel photopolymers for industrial 3D printing applications. The Asia Research Hub also expanded its Life Science & Advanced Biomedical lab in 2022. This critical milestone strengthened Evonik's global R&D footprint, and the research will help to create sustainable solutions to address global health challenges in the long run.



Evonik's Asia Research Hub in Singapore internationalizes research to develop next generation solutions for sustainability.