BASF
We create chemistry

Sustainability in Energy & Resources across Australia and New Zealand

We create chemistry for a sustainable future

We want to contribute to a world that provides a viable future with enhanced quality of life for everyone. We do so by creating chemistry for our customers and society and by making the best use of available resources. Sustainability is at the core of what we do, a driver for growth as well as an element of our risk management.

Corporate commitments

We have defined sustainability focus areas within our corporate strategy. These formulate the commitments with which BASF positions itself in the market and how it aims to meet the growing challenges along the value chain.

Suppliers → **BASF operations** → **Customers** → **And along the way…**

We source responsibly

We produce safely for people and the environment

We produce efficiently

We drive sustainable solutions

We value people and treat them with respect

Our sustainability goals and KPIs

BASF welcomes the Sustainable Development Goals (SDGs) and supports the UN in making our planet more sustainable. BASF was actively involved in the development of the SDGs as a member of the working groups. Of particular importance to BASF are the SDGs: Zero Hunger, Good Health and Well-being, Clean Water and Sanitation, Decent Work and Economic Growth, Industry, Innovation and Infrastructure, Sustainable Cities and Communities, Responsible Consumption and Production, Climate Action, Life on Land and Partnerships for the Goals.

BASF is contributing to the SDGs in the following areas:

Effective climate protection

- Reduce our absolute CO2 emissions[1] by 25% by 2030 compared with baseline 2018
- Achieve net zero CO2 emissions[1] by 2050

Resource efficiency and safe production

- Reduce worldwide process safety incidents per 200,000 working hours to ≤ 0.1 by 2025
- Reduce the worldwide lost-time injury rate per 200,000 working hours to ≤ 0.1 by 2025
- Introduce sustainable water management at our production sites in water stress areas and at our Verbund sites by 2030

Sustainable product portfolio

- Achieve €22 billion in Accelerator sales[2] by 2025

Employee engagement and diversity

- Increase the proportion of women in leadership positions with disciplinary responsibility to 30% by 2030
- More than 80% of our employees feel that at BASF, they can thrive and perform at their best

Responsible procurement

- Cover 90% of our relevant spend[3] with sustainability evaluations by 2025
- Have 80% of our suppliers improve their sustainability performance upon re-evaluation

Scan for more information on how BASF supports the UN SDGs.

[1] The goal includes Scope 1 and Scope 2 emissions without emissions from sale of energy to third parties. Other greenhouse gases are converted into CO2 equivalents according to the Greenhouse Gas Protocol.
[2] Products with substantial contribution to sustainability
[3] Relevant spend; based on risk matrices, purchasers' assessments and other sources

Circular economy

For BASF, circular economy is much more than waste management. The aim is to close cycles, use products and resources in the best way possible across the entire value chain, and support our customers in their journey towards a more sustainable future.

The circular economy model has been gaining ground in politics, industry, and society over the last years. Behind this idea is a change away from the linear model of "take-make-dispose", to a system of closed loops powered by renewable energy. The chemical industry and its innovations can lead the way in this change. BASF is already applying circular economy in several ways.

We aim to **double** our **circular sales to reach €17 billion** by 2030.

We commit to using **250,000 metric tons of recycled feedstock by 2025** globally.

We run a **Circular Economy Program** to accelerate the transition.

Sustainability in Energy & Resources across Australia and New Zealand

The continuously rising demand for energy and resources requires us to develop energy solutions that are more sustainable and address the need for energy efficiency and conservation. With our knowledge and expertise in chemistry for oilfields, refineries, mining, wind, and solar energy, we partner with customers and share their commitment to a healthier, more natural, and more affordable future for energy and resources.

Lupromin® FF 1908

Lupromin® FF 1908 is a flotation reagent which promotes bubble stability by preventing bubble coalescence during the flotation process. The use of Lupromin® FF 1908 has improved safety on mine sites by eliminating the risk associated with the explosive nature of MIBC (Methyl Isobutyl Carbinol) and contributes to cost savings through reduced energy usage. This reagent offers several sustainability benefits as it ensures a lower consumption of chemicals and increases resource efficiency.

Lixtra™ leaching aid

Lixtra™ is a leaching aid which increases metal recovery by using less resources. It reduces the contact angle between the solid ore particles and the leach solution and increases the wettability of particles. This allows the solution to penetrate deeper into the ore particles and maximise copper recovery. Benefits of the Lixtra™ include: an increase in resource efficiency, reduced energy consumption and reduced operating costs: overall providing a more sustainable extraction process for copper.

NAS® sodium sulfate batteries

Electricity from clean, renewable sources is one of the key solutions to reconcile the growing global demand for energy and the need to reduce greenhouse emissions, primarily CO2. Due to the intermittency of renewable energy sources such as solar or wind, stationary energy storage is becoming indispensable, to ensure stable and reliable power supply at all times.

NAS® (sodium sulfur) batteries, produced by NGK INSULATORS, LTD., and distributed by BASF, are designed for stationary energy storage and boast an array of superior features, such as large capacity, long duration, long life, enhanced safety, and environmental benignity. With their optimal discharge duration of 6-8 hours, NAS® batteries are ideally suitable for renewable energy stabilisation and integration into the grid.

For more information on our NAS® batteries

Rheomax® DR

The mining industry faces many challenges and issues relating to the use of water and the impact of exploration, extraction, and residue management on the environment. BASF's advanced flocculant range aims to minimise reagent consumption and maximise mineral recovery by improving the rate and degree to which solid liquid separation takes place in thickening applications.

Rheomax® DR is the advanced range of chemical aids for gravity based solid liquid separation processes, offering superior flocculating performance as well as many sustainability benefits.

Sustainability Benefits

- Cost savings
- Lower water consumption
- Lower energy consumption
- Higher recovery
- Less chemical usage

Scan for more information on the benefits of BASF's Rheomax® DR high performance flocculants