

# News Release

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## **BASF becomes first producer of renewable ammonia in Central Europe**

- **Renewable energy-derived hydrogen replaces fossil hydrogen in production process**
- **Expansion of ammonia value chain with further sustainable products**

With two new renewable ammonia grades – renewable ammonia and renewable ammonia solution 24.5% – BASF further expands its sustainable product portfolio. BASF produces the renewable ammonia grades at its Verbund site in Ludwigshafen by feeding hydrogen into the ammonia plant which reduces the plant’s natural gas consumption.

In BASF’s Verbund, hydrogen is produced from fossil as well as from renewable energy-derived sources. Via a mass balance approach, renewable energy-derived hydrogen is attributed to the renewable ammonia grades. They have been certified according to [ISCC+](#) and can be used as ‘drop-in’ solution in the same reliable way as the conventional products. The renewable ammonia grades are available in usual bulk mode.

“Our biggest goal is net zero of our products. With our renewable ammonia, we can significantly undercut the [product carbon footprint \(PCF\)](#) of our other low-CO<sub>2</sub> ammonia grades”, said Dr. Jens Aßmann, Vice President Business Management Ammonia Value Chain and Operations Amino Resins at BASF. BASF calculates PCFs in accordance with the [Together for Sustainability PCF Guideline](#).

The demand for low-carbon or “green” ammonia has constantly increased in the past years and is expected to still rise in the future. “Our customers, as well as BASF’s own downstream businesses, need low-carbon products already today to explore their market”, Aßmann emphasized. “We are proud to offer the first renewable ammonia produced in Central Europe with a very low PCF.”

The expansion of the ammonia portfolio is a further step on the sustainable journey of [BASF’s Monomers division](#). The division has already developed one circular or low PCF option for every major product line by 2025. The division’s sustainable offerings are an essential part of [BASF’s path to climate neutrality and net-zero CO<sub>2</sub> emissions by 2050](#).

#### **About BASF**

At BASF, we create chemistry for a sustainable future. Our ambition: We want to be the preferred chemical company to enable our customers’ green transformation. We combine economic success with environmental protection and social responsibility. Around 112,000 employees in the BASF Group contribute to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio comprises, as core businesses, the segments Chemicals, Materials, Industrial Solutions, and Nutrition & Care; our standalone businesses are bundled in the segments Surface Technologies and Agricultural Solutions. BASF generated sales of €65.3 billion in 2024. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the United States. Further information at [www.basf.com](http://www.basf.com).