



Joint News Release

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BASF and thyssenkrupp Uhde cooperate to reduce greenhouse gas emissions

- **BASF supplies high-performance catalysts for thyssenkrupp Uhde's leading EnviNOx[®] technology for N₂O and NO_x abatement**
- **New EnviNOx[®] unit successfully started-up at BASF's site in Ludwigshafen**
- **Effective reduction of nitrous oxide emissions of more than 99% demonstrated**

BASF and thyssenkrupp Uhde today announced their cooperation in the marketing and further development of catalyst and process design for thyssenkrupp Uhde's leading EnviNOx[®] technology for N₂O and NO_x abatement. BASF will supply its high-performance catalysts to thyssenkrupp Uhde, enabling their customers to reduce greenhouse gas emissions even more effectively.

EnviNOx[®] reliably removes more than 99% of all N₂O and NO_x emissions, as at BASF's site in Ludwigshafen, where a new unit successfully started up in the second half of 2022.

N₂O, commonly known as laughing gas, is a highly potent greenhouse gas. Decomposing 1 ton of N₂O into nitrogen and oxygen is judged to have the same effect as reducing 265 tons of CO₂. Eliminating N₂O emissions is a major lever in the fight against global warming. Both companies recognized the importance of reducing these emissions decades ago and have developed solutions. thyssenkrupp Uhde has successfully sold over 60 of its industrial-scale EnviNOx[®] units worldwide, and the latest of these already use this combination of latest process design and new catalyst.

“The combination of the expertise of both companies in the field of N₂O abatement catalysts and processes is really going to make a difference in our joint goal to reduce greenhouse gas emissions”, said Detlef Ruff, Senior Vice President, Process Catalysts at BASF. “Our research and development teams are working to design and produce catalysts that are highly effective, durable, and sustainable.”

“We are partnering with BASF to keep making significant improvements on our EnviNOx[®] technology, further improving its sustainability, and reducing the carbon footprint. This partnership brings additional benefits for our customers, as well as to the environment as a whole, by providing high-quality, cost-effective solutions to address complex environmental challenges”, said Dr. Ralph Kleinschmidt, Head of Technology & Innovation at thyssenkrupp Uhde.

BASF

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About BASF's Catalysts Division

BASF's Catalysts division is the world's leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF's Catalysts division develops unique, proprietary solutions that drive customer success. Further information on BASF's Catalysts division is available on the Internet at www.catalysts.basf.com.

About BASF

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. More than 111,000 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 six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of €87.3 billion in 2022. 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.

About thyssenkrupp Uhde

thyssenkrupp Uhde combines unique technological expertise and decades of global experience in the engineering, procurement, construction and service of chemical plants. We develop innovative processes and products for a more sustainable future and thus contribute to the long-term success of our customers in almost all areas of the chemical industry. Our portfolio includes leading technologies for producing base chemicals, fertilizers and polymers as well as complete value-chains for green hydrogen and sustainable chemicals. www.thyssenkrupp-uhde.com