

News Release

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BASF launches Durasorb™, a new innovative adsorbent solution family

- **Increases gas plant operators' production capacity, expanding customers' revenue potential**
- **Reduces downtime in Natural Gas processing plants through higher adsorbent stability and selectivity**

BASF has announced the commercial launch of Durasorb™, a new family of adsorption solutions designed for Natural Gas processing. Durasorb provides gas processing plant operators, especially liquefied natural gas (LNG) plants, with more reliable and more robust dehydration service. The new product family combines innovative materials developed from BASF's unique Sorbead® technology and proprietary design software to calculate the performance of the adsorbents in all parts of the dehydration vessel and maximize the overall performance and life of the bed.

Based on design calculations, BASF natural gas experts choose the ideal combination of adsorbents out of the comprehensive BASF portfolio. The resulting installation ensures more efficient removal of water and hydrocarbons and solves regeneration-reflux problems. With more robust and reliable products, Durasorb solutions support value creation at gas processing plants by increasing production capacity and deliverability of high-value cargoes, reducing bed sizes, increasing bed life, and enabling higher throughput rates.

Building on the success of development trials in North American gas processing

plants, BASF has installed its first reference in an LNG pre-treatment plant. Plant operation of Durasorb verified the ability to improve dehydration systems' durability which expands production potential, leading to higher yields of valuable products.

“Some of our core strengths are our innovative power, the extraordinary know-how of our natural gas experts and our deep experience with adsorption solutions,” said Detlef Ruff, Senior Vice President Process Catalysts at BASF. “The Durasorb offering combines those strengths and will help gas plants worldwide increase production of valuable cargoes and help position them for success.”

Sorbead Alumina-Silica gel was first introduced to the market in 1953 and has since been installed in hundreds of gas plants worldwide for hydrocarbon and water dew point control, membrane protection, underground storage operations and pipeline dehydration. In 2017, BASF implemented a significant expansion of the Sorbead manufacturing plant in Nienburg Germany, demonstrating its commitment to grow this important global market. BASF entered the molecular sieve business in 2010 and has since developed innovative products that are resistant to hydrothermal damage. With a broad portfolio of adsorbent products, BASF technology experts use combination bed technology to provide customers with a tailored design, performance warranty, and unmatched service.

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. The approximately 114,000 employees in the BASF Group work on contributing to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio is organized into five segments: Chemicals, Performance Products, Functional Materials & Solutions, Agricultural Solutions and Oil & Gas. BASF generated sales of about €58 billion in 2016. BASF shares are traded on the stock exchanges in Frankfurt (BAS), London (BFA) and Zurich (BAS). Further information at www.basf.com.