

# News Release

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## **BASF launches Durasorb™ HRU for removal of BTX and heavy hydrocarbons**

- **Durasorb HRU provides the most efficient adsorbent for BTX removal on the market**
- **Customers benefit from increased adsorbent capacity resulting in smaller vessel sizes and increased plant reliability due to removal of freezing components prior to liquefaction**
- **Durasorb technology is suitable for both new units and retrofits**

BASF launches Durasorb HRU as an addition to the Durasorb portfolio for Liquefied Natural Gas (LNG) pre-treatment that is specifically designed for the removal of BTX and heavy hydrocarbons. It provides a 30 percent increase in capacity for BTX components, allowing for the effective removal of BTX to less than 1ppm without compromising unit efficiency.

All over the world, but especially along the U.S. Gulf Coast, LNG production plants operating on lean natural gas feeds struggle to remove traces of BTX and hydrocarbons, which causes freezing in the cold box resulting in plant downtime. The mechanical solutions to this challenge can be costly and can require external solvent and increases plant complexity. Durasorb HRU is an elegant solution for removal of BTX and heavy hydrocarbons. Implementing a hydrocarbon removal unit (HRU) in the LNG pre-treatment section ensures removal of these impurities and provides operational flexibility to the plant.

“The addition of Durasorb HRU to the portfolio provides yet another solution to our LNG customers. Not only can an optimized process be designed for new projects,

but this solution can fit into existing units, providing LNG producers with an easy, reliable solution to cold box freezing without requiring capital investment,” says Detlef Ruff, Senior Vice President Process Catalysts at BASF.

“Our Adsorbents team continues to solve problems for our customers. Not only does Durasorb HRU increase bedlife, it also increases production by reducing downtime which helps to save costs for our customers,” says Adrian Steinmetz, Vice President Chemical Market Catalysts and Adsorbents at BASF.

### **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](http://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 122,000 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 six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of around €63 billion in 2018. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the U.S. Further information at [www.basf.com](http://www.basf.com).