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Joint News Release

DWE and BASF join forces to accelerate the deployment of modular methanol from renewable sources

- Together DWE and BASF advance sustainable methanol production
- Combining modular PtL technology with advanced SYNSPIRE® catalysts
- Enabling faster, scalable deployment of synthetic methanol projects

Deggendorf / Ludwigshafen, Germany, November 18, 2026, – DWE GmbH and BASF today announced their collaboration to support the rapid deployment of modular sustainable methanol production facilities. By combining DWE's proven Power-to-Liquid (PtL) process technology with BASF's advanced SYNSPIRE® methanol synthesis catalysts, the two companies aim to support the growth of synthetic methanol as an alternative to fossil-based methanol, helping reduce the use of fossil resources and associated greenhouse gas emissions.

Demand for renewable fuels and sustainable feedstocks is growing worldwide. Methanol from renewable sources is increasingly seen as a key enabler for sustainable shipping, the chemical industry, and the production of synthetic fuels.

Standardized modular methanol synthesis concept for small and medium scale projects

To help sustainable methanol projects move forward more quickly and cost-effectively, especially at small and medium scale, DWE has developed a standardized modular sustainable methanol synthesis concept. The plants can be installed quickly, scaled step-by-step, and integrated into both greenfield and brownfield environments. The DWE modular approach utilizes pre-engineered synthesis units that reduce engineering effort, execution complexity, and implementation time. The modules are

designed to operate flexibly between 30 and 100 per cent load while maintaining robust process performance under industrial operating conditions. Allowing customers to align investments with market growth and hydrogen availability, the capacity can be expanded through the addition of parallel modules.

Advanced catalyst technology enables reliable, scalable sustainable methanol production

By integrating BASF's Synspire catalyst technology into the synthesis concept, customers benefit from a highly optimized combination of process and catalyst performance, supporting high methanol productivity, operational reliability, and long catalyst service life.

Together, DWE and BASF aim to provide project developers, investors, and industrial customers with a reliable and scalable solution that accelerates the transition from fossil-based to synthetic methanol production using renewable energy and non-fossil carbon sources, while reducing project risk and shortening time-to-market.

"Project developers are looking for sustainable methanol solutions that reduce technical complexity, accelerate implementation, and provide a clear pathway for future capacity expansion. Our modular synthesis concept was specifically designed to address these requirements. By combining DWE's proven Power-to-Liquid technology and project execution capabilities with BASF's leading catalyst expertise, we are enabling customers to bring sustainable methanol projects to market faster, with lower risk and greater flexibility", said Dr. Stefan Koch, Vice President Business Development DWE, DWE GmbH.

Dr. Yaqian Liu, Senior Vice President Chemical Catalysts & Adsorbents at BASF, added: “We believe renewable methanol has the potential to become a cornerstone of the future low-carbon and circular economy. Realizing this potential requires strong ecosystems that connect technology, expertise, and execution capabilities across the value chain. Our collaboration with DWE reflects a shared commitment to accelerating the deployment of sustainable methanol solutions and helping customers navigate the complexity of large-scale projects with greater confidence, speed, and long-term success.”

About DWE

DWE GmbH, based in Deggendorf, Germany, is a long-established technology and manufacturing partner for large-scale industrial plants, equipment and components. The company combines engineering expertise, deep manufacturing capabilities and decades of experience in industrial plant construction – with a focus on Power-to-X, chemistry, petrochemistry, nuclear related technology and defence applications. DWE supports customers from technical concept and design through to the manufacturing and delivery of complex, custom-built industrial solutions. To learn more, visit: https://dwe.de/

About BASF's chemical catalysts and adsorbents

BASF is a leading global manufacturer of catalysts for the chemical industry, with solutions across the chemical value chain. The business comprises chemical catalysts, adsorbents, and custom catalysts. Priority is given to developing new and improved products that enable the chemical industry transformation to net-zero emissions. To learn more, visit www.chemical-catalysts-and-adsorbents.basf.com.

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 95,000 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 around €60 billion in 2025. 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.

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