News Release

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BASF's OASE® blue supports CCAT in carbon capture and storage project at Taiwan power plant

- **Initial plan to capture 2,000 tons of CO_2 annually at the pilot plant located at Taipower's Taichung Power Plant Carbon Reduction Technology Park**
- **OASE® blue features high capture rates of 90% and more, cost efficiency due to low energy and amine consumption, and is easily scalable**
- **Helps meet growing global demand for CCS, thereby contributing to the reduction of greenhouse gas emissions and the transition to a more sustainable energy industry**

BASF has signed a license agreement with Carbon Cap Applications Technology Co. (CCAT) to provide its OASE® blue gas treatment technology for a carbon capture and storage (CCS) project at the Taichung Power Plant Carbon Reduction Technology Park, operated by Taiwan Power Company (Taipower), Taiwan's largest electricity provider.

This collaboration combines CCAT's advanced technology and engineering solutions with BASF's proven OASE® blue carbon capture technology. The project, which was awarded and started up at the end of 2023, is expected to capture 2,000 tons of CO_2 annually, according to Taipower's design and planning requirements. If successful, Taipower will assess the feasibility of developing a new demonstration plant for commercial operation, with the next phase aiming to capture one million tons of CO_2 per year. The CO_2 captured in the current phase will be sequestered at the Taichung Power Plant, while the possibility of sequestration in Taiwan's offshore strata will be evaluated in the next phase.

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OASE® blue is BASF's gas treatment technology designed for flue gas carbon capture from sources such as fossil power generation plants, steam reformers, waste incinerators, the cement industry, and the maritime sector. It has demonstrated high capture rates of 90% and more, and cost efficiency due to its low energy and amine consumption shown in tests. It also features a flexible operating range that is easily scalable and modularized. Moreover, it can be engineered to achieve high CO_2 purity suitable for food-grade applications.

Daniel Yao, Managing Director, CCAT, said, "In the context of the current environmental and energy transition, CCAT deeply understands the importance of promoting sustainable development and reducing carbon emissions. We are honored to undertake Taiwan's first carbon capture commercial demonstration project and collaborate with BASF, utilizing its advanced OASE® blue technology. This partnership aims to enhance the technical level and outcomes of environmental protection projects. It will further drive the development of both parties in the green energy sector, while also providing Taipower with more efficient solutions to promote clean emissions in the energy production process."

"This project will serve as another exciting reference plant for us, showcasing how BASF's OASE® blue carbon capture technology enables our customers, such as Taipower, to achieve their CCS targets, which will in turn accelerate the transition to a more sustainable energy industry," added Lawrence Loe, Director, OASE® Gas Treating Excellence, Intermediates Asia Pacific, BASF.

The Carbon Reduction Technology Park is located at Taipower's Taichung Power Plant. The power plant is commencing the construction of gas-fired units to continue driving the transition from coal to gas, while introducing CCS demonstration technology to further reduce air pollution emissions.

About CCAT

Carbon Cap Applications Technology Co.(hereinafter referred to as CCAT) is dedicated to providing advanced energy technologies and automation control equipment engineering services both domestically and internationally. In line with current policies, the company is actively engaged in the field of carbon capture and storage, offering customized solutions to clients in compliance with the latest environmental policies, helping them reduce their carbon footprint. As an emerging technology company, CCAT adheres to the principles of innovation and professionalism, actively expanding both domestic and international markets. The company collaborates with partners to promote the development of environmental energy projects, contributing to global environmental protection and energy innovation.

About OASE®

With more than 50 years of experience, BASF offers its customers efficient gas treating solutions for a variety of applications such as natural gas, synthesis gas, flue gas and biogas. Worldwide, these solutions have been proven and demonstrated in about 500 reference plants. BASF markets its range of gas treating technologies, the corresponding solvents and complete technical services including the digital platform OASE® connect under the brand OASE® – Gas Treating Excellence by BASF. The OASE® products are part of the system solutions that make a significant contribution to sustainability in the value chain. Compared to conventional technologies, OASE® offers the high efficiency in gas treatment and thus makes important contributions to conserving resources and reducing emissions by saving energy. For more information, please visit www.oase.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 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.

About Termokimik Corporation

Active since 1938, Termokimik Corporation is an Engineering and Construction Company focused on technology and specialized on design, fabrication, supply and installation of a wide range of process and industrial plants in the field of Environmental and Waste to Energy technologies. Thanks to its continuous commitment and strong focus on innovation, Termokimik has established itself as a leading player in the field of secondary emission control systems for combustion processes — including SCR, SNCR, FGD, dedusting, and carbon capture (CCS) — serving thermal power plants, waste incinerators, and oil refineries. A lean and agile organisational structure, a dedicated programme for the acquisition and development of advanced technologies, together with a continuous effort in R&D enable Termokimik to provide Customers with the high performance, tailor made solutions, starting from plant's design up to plant's effective operation.