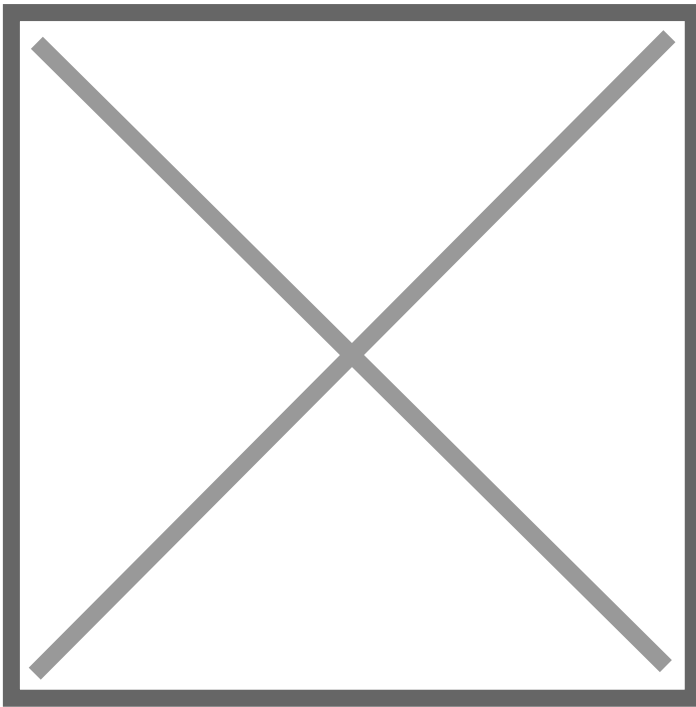


## Syngenta unveils first "zero carbon factory" in China promoting green transformation

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Beijing Green Exchange has issued "Carbon Neutrality Certificate" to Syngenta (Suzhou) Crop Protection Co., Ltd. (Syngenta Kunshan Factory). Syngenta Group has built the first "zero carbon factory" in China to lead the low-carbon transformation of the agricultural industry chain and supply chain.

"A zero-carbon factory" uses energy-saving emission reduction and carbon credit offset measures to achieve zero net emissions from the manufacturing process.

Realizing the sustainable development of agriculture has become a global concern due to global climate change and food security demands, Syngenta Group China is committed to reducing energy consumption and carbon emissions during

production through technological innovation and industrial upgrading, thereby helping to develop and transform agriculture sustainably.

As the first "zero-carbon factory" of the Syngenta Group in China, Syngenta's Kunshan factory has achieved energy conservation and carbon reduction through refined management and control of factory equipment and reduction of operational energy consumption. From product packaging transformation and upgrading, to refined operation of equipment, to green supply chain management, "green" runs through the entire production management process of Syngenta's Kunshan factory. By building a "zero-carbon factory", Syngenta's Kunshan factory will increase its output value by 17% in 2022, and reduce energy consumption and carbon dioxide emission intensity per unit of output value by 11.34%.

"In 2021, we launched the 'Zero Carbon Factory' building and upgrading project. By introducing measures such as a real-time power monitoring system, we strengthened the abnormal analysis of energy consumption in key energy-consuming workshops and equipment, and took relevant measures in a timely manner to reduce energy waste. In addition, the factory actively eliminated high-carbon energy sources, such as using air energy instead of diesel heating furnaces and using pure electric forklifts. At present, we are also starting to build a distributed photovoltaic power generation project, and the annual power generation is expected to reach 330,000 kWh," explains Syngenta Kunshan Factory Manager Gao Jing.

#### **Carbon reduction measures to promote the green development of the industry**

Sinochem Changshan plant uses carbon dioxide capture application technology to convert carbon dioxide generated in the production process into liquid carbon dioxide storage tank products, achieving an annual recovery of more than 30,000 tons of carbon dioxide; Sinochem Yunlong plant builds a 330,000-ton/year sulfur acid HRS. The device recycles and absorbs low-temperature waste heat, and the output of acid steam per ton is increased from 1.2 tons to 1.67 tons, saving 20,000 tons of standard coal annually and reducing 38,000 tons of carbon dioxide emissions.

"Syngenta hopes to lead and cultivate a group of 'zero-carbon factories', and drive various factories to actively carry out energy-saving and carbon-reducing technological transformation, renewable energy project application and research and development of cutting-edge low-carbon technologies can truly reduce costs and increase efficiency, and strive to achieve the goal of carbon peaking and carbon neutrality," said Shi Guangzhu, Director of HSE and Industry Management of Syngenta Group China.