

## Evonik and Pingmei Shenma sign hydrogen peroxide licensing agreement in China

- Shenma to build 200kta H<sub>2</sub>O<sub>2</sub> plant in Pingdingshan, Henan Province, using Evonik's technology
- State-of-the-art technology by Evonik meets highest national requirements for safety
- New megaplant to supply H<sub>2</sub>O<sub>2</sub> for Shenma's 600kta caprolactam production facility

**Pingdingshan, China.** Evonik will license its hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) production technology to China Pingmei Shenma Group Nylon Technology (Shenma) to build an H<sub>2</sub>O<sub>2</sub> megaplant with an annual capacity of 200 kilotons in Pingdingshan, Henan Province. The H<sub>2</sub>O<sub>2</sub> produced in the new plant will be captive-used for Shenma's own production of caprolactam – a key precursor for nylon 6. The signing was celebrated on March 5, 2025, in Pingdingshan. Startup of the H<sub>2</sub>O<sub>2</sub> megaplant is expected in 2026.

Shenma is a major player in the Chinese chemical fiber industry, covering the entire value chain for nylon 6 and nylon 66. The company plans to expand its caprolactam production capacity to 600 kilotons per year by 2026. By simultaneously upgrading its H<sub>2</sub>O<sub>2</sub> production technology and boosting on-site capacity, Shenma will benefit from supply security and guaranteed quality for its caprolactam production. And the selection of Evonik's fluidized-bed technology will enable Shenma to fulfill the most stringent new national requirements for process safety in H<sub>2</sub>O<sub>2</sub> production.

Michael Träxler, head of Evonik's Active Oxygens business line, stated, "As a technology leader in H<sub>2</sub>O<sub>2</sub>, we are very pleased to be Shenma's first choice as a licensing partner. Evonik offers easy-to-operate and safe technology, fast delivery, and long-term partnership – factors which are of great value to, and very much appreciated by, our customers."

"We are delighted to seize this collaboration opportunity to establish a long-term partnership with Evonik," stated Li Benbin,

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Deputy General Manager of Pingmei Shenma Group & Chairman of Shenma Industrial Co., Ltd. “Evonik’s safe and efficient hydrogen peroxide production technology will help Shenma enhance the production efficiency and product quality across our nylon value chain. This will enable us to better serve the market demands and meet our customers’ expectations for high-quality products.”

“This partnership represents a milestone in our hydrogen peroxide business in China and underscores our long-term commitment to the Chinese market,” said Fuliang Xia, president of Evonik Greater China. “We look forward to exploring more collaboration areas on the basis of this partnership, continuing to achieve greater growth and success together.”

The agreement with Shenma marks Evonik’s third licensing project for hydrogen peroxide production in China. Most recently, Fuhua Tongda Chemicals Company began construction on a 200kta H<sub>2</sub>O<sub>2</sub> plant based on Evonik technology in Leshan, Sichuan Province, in 2024.

For more information on Evonik’s Active Oxygens business line, please visit [evonik.com/activeoxygens](https://evonik.com/activeoxygens)

#### **Company information**

Evonik is one of the world leaders in specialty chemicals. The company is active in more than 100 countries around the world and generated sales of €15.2 billion and an operating profit (adjusted EBITDA) of €2.1 billion in 2024. Evonik goes far beyond chemistry to create innovative, profitable, and sustainable solutions for customers. About 32,000 employees work together for a common purpose: We want to improve life today and tomorrow.

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