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Chinese chemical company Zibo Qixiang Tengda Chemical to build new plant for the sustainable production of propylene oxide on the basis of HPPO technology from thyssenkrupp and Evonik. thyssenkrupp to deliver process design and key components.

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thyssenkrupp and Evonik to license HPPO technology to China

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thyssenkrupp Industrial Solutions and Evonik are licensing their HPPO technology for the production of propylene oxide to the Chinese chemical company Zibo Qixiang Tengda Chemical. The parties signed

the contracts in Guangzhou, China, at the end of July. thyssenkrupp will be responsible for the process design and supply key components for the new plant. In addition, Evonik is licensing hydrogen peroxide (H₂O₂) technology to Qixiang Tengda for the exclusive supply of the propylene oxide plant. The partners have also signed a long-term supply contract for the corresponding HPPO catalyst.

Propylene oxide is mainly used for the manufacture of polyurethane foams, which are used for example in automobile components, upholstery, thermal insulation, coating materials, sports shoes and other sporting goods. The global polyurethane market is set to grow by three to five percent annually up to 2025 and China is one of the most important growth markets.

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