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## Shenghong Petrochemical to Use Honeywell UOP Hydrogen Technology for New China Complex

[Home](#) / [Shenghong Petrochemical to Use Honeywell UOP Hydrogen Technology for New China Complex](#)

*Honeywell UOP Polybed™ PSA technology continues to purify hydrogen for chemical processes*

**DES PLAINES, Ill., April 2, 2020** – Honeywell UOP announced today that [Shenghong Petrochemical Group](#) will use five Honeywell UOP [Polybed™](#) pressure swing adsorption (PSA) units to supply high-purity hydrogen for a new refinery complex in Lianyuangang, Jiangsu Province in China.

“Petrochemical manufacturers including Shenghong Petrochemical increasingly need extremely pure, reliable and economical supplies of hydrogen, and UOP’s PSA technology continues to be among the most advanced and efficient source of pure hydrogen in the industry,” said Bryan Glover, vice president and general manager, Petrochemicals & Refining Technologies at Honeywell UOP. “Hydrogen purification is an essential component for making clean transportation fuels, remove contaminants and improve the quality of fuels and petrochemicals.”

Polybed PSA systems are skid-mounted, modular units complete with hardware, adsorbents, control systems and embedded process technology, enabling quick and efficient installation to reduce cost and downtime.

The PSA process uses proprietary UOP adsorbents to remove impurities at high pressure from hydrogen-containing process streams, allowing hydrogen to be recovered and upgraded to more than 99.9% purity to meet refining needs. In addition to recovering and purifying hydrogen from steam reformers and refinery off-gases, the [Polybed PSA](#) system can be used to produce hydrogen from other sources such as ethylene off-gas, methanol off-gas and partial-oxidation synthesis gas.

Since its introduction in 1966, UOP has improved Polybed PSA technology with new generations of adsorbents, enhanced cycle configurations, modified process and equipment designs and more reliable control systems and equipment. Today, Honeywell UOP has installed more than 1,100 Polybed PSA units in more than 70 countries. As a result, Polybed PSA is a proven technology with dozens of large-scale unit references globally.

Honeywell UOP ([www.uop.com](http://www.uop.com)) is a leading international supplier and licensor of process technology, catalysts, adsorbents, equipment, and consulting services to the petroleum refining, petrochemical, and gas processing industries. Honeywell UOP is part of Honeywell’s Performance Materials and Technologies strategic business group, which also includes Honeywell Process Solutions ([www.honeywellprocess.com](http://www.honeywellprocess.com)), a pioneer in automation control, instrumentation and services for the oil and gas, refining, petrochemical, chemical and other industries.

Honeywell ([www.honeywell.com](http://www.honeywell.com)) is a Fortune 100 technology company that delivers industry specific solutions that include aerospace products and services; control technologies for buildings and industry; and performance materials globally. Our technologies help everything from aircraft, buildings, manufacturing plants, supply chains, and workers become more connected to make our world smarter, safer, and more sustainable. For more news and information on Honeywell, please visit [www.honeywell.com/newsroom](http://www.honeywell.com/newsroom).

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