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New facility expands Honeywell’s growing footprint with Oleflex™ technology in region

DES PLAINES, Ill., Dec. 3, 2019 — Honeywell announced today that Shandong Binhua New Material Co., Ltd. will use Honeywell UOP’s C3 Oleflex™ technology to produce 600,000 metric tons per year of polymer-grade propylene for a proposed plant in China.

Honeywell UOP, a leading technology provider for the oil and gas industry, will provide services, equipment, catalysts and adsorbents for the Shandong plant. The project marks the 25th award for C3 Oleflex technology in China, which has seen exponential growth and demand for propylene, a key plastics ingredient.

Since 2011, most dehydrogenation projects globally have been based on UOP technology, including projects for propane (C3), isobutane (iC4) and mixed C3/iC4 service. Global production capacity of propylene from Oleflex technology currently stands at approximately 7.8 million metric tons per year.

“The increasing consumption of plastics globally has generated substantial demand for propylene,” said Bryan Glover, vice president and general manager, Honeywell UOP’s Petrochemicals and Refining Technologies. “Our Oleflex technology will help Shandong Binhua, a regional leader in propylene oxide production, meet the demand for propylene derivatives in China by creating a consistent supply of on-purpose propylene.”

Honeywell UOP’s C3 Oleflex technology uses catalytic dehydrogenation to convert propane to propylene and is designed to have a lower cash cost of production and higher return on investment compared to competing dehydrogenation technologies. Oleflex’s low-energy consumption, low-emissions and fully recyclable, platinum-alumina-based catalyst system also helps minimize impact on the environment. The independent reactor and regeneration design helps maximize operating flexibility and onstream reliability.

Shandong Binhua New Material Co., Ltd. is a subsidiary of Befar Group Co., Ltd. Located in Binzhou in Shandong Province, Befar has more than 50 years of experience in caustic soda and propylene oxide production, and is one of China’s most influential oil additive suppliers.

Honeywell UOP (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), a pioneer in automation control, instrumentation and services for the oil and gas, refining, petrochemical, chemical and other industries.

Honeywell (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.

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