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Chambroad Commissions First Propylene and Isobutylene Coproduction Plant in China Using Honeywell UOP Technology

First of three facilities in China that produce both propylene and isobutylene in a single dehydrogenation unit starts up, helping meet growing demand for fuels and petrochemicals

DES PLAINES, Ill., Aug. 12, 2015– UOP LLC, a Honeywell **(NYSE: HON)** company, announced today that Shandong Chambroad Holding Co., Ltd. has become the first company in China to commission a combined C_3/C_4 dehydrogenation unit to meet growing demand in Asia for plastics, high-octane gasoline and synthetic rubber.

The new unit, which is the first of three in China, uses **Honeywell UOP's C_3/C_4 Oleflex™ process** technology to produce propylene, a building block for making plastics, packaging and synthetic fiber, and isobutylene, a component used for high-octane gasoline and synthetic rubber. The unit, which is only the second of its kind in the world, successfully started up in May and all production targets have been accepted. Two other Chinese producers have also licensed the technology for start up in 2017.

"As the demand for transportation fuels and petrochemicals continues to grow in China, petrochemical companies there see a real benefit from integrating processes," said Mike Millard, vice president and general manager of Honeywell UOP's Process Technology and Equipment business. "The start up of the first combined C_3/C_4 Oleflex unit in China is a milestone in the region's petrochemical production, and it will help Chambroad manage market conditions more efficiently."

China consumes more than 15 percent of the world's propylene and its demand is growing more than 4 percent per year, according to the U.S. Energy Information Administration. At the same time, gasoline demand is expected to grow in China as a result of a growing middle class and higher car sales.

Honeywell UOP's C_3/C_4 Oleflex technology uses catalytic dehydrogenation to convert propane to propylene and isobutane to isobutylene. Using mixed dehydrogenation, the processes are combined to produce both materials in a single unit. The technology is proven to have the lowest cash cost of production and the highest return on investment compared with competing technologies.

Located in Binzhou City, Shandong Province, the new unit will produce 116,000 metric tonnes per year of propylene and 104,000 metric tonnes per year of isobutylene.

Honeywell UOP's C_3/C_4 Oleflex technology has also been licensed by two other Chinese producers. Dongming Petrochemical Group will produce 265,000 metric tonnes per year of propylene and isobutylene, and Dongying Liyuan will produce 220,000 metric tonnes per year of propylene and isobutylene using the process. Both facilities also will use **Honeywell UOP's Butamer™ process**, which converts normal butane into

isobutane to increase feedstock flexibility for the Oleflex process.

Shandong Chambroad selected Oleflex technology over other processes due to the superior economics, proven reliability and successful track record of other Honeywell UOP dehydrogenation units in operation. Honeywell UOP has licensed the only two C_3/C_4 dehydrogenation units operating in the world today.

Shangdong Chambroad Holding Co., Ltd. is a private enterprise that provides petrochemical processing, biochemical manufacturing and plant fiber production, among others.

Dongying Liyuan is a subsidiary of the **Shandong Wantong Petrochemical Group**, which owns the largest oil and gas storage and transportation facilities in Dongying Port, China.

Shandong Dongming Petrochemical Group is an integrated petrochemical and energy technology development company. It is one of the top 500 largest companies in China.

UOP LLC (**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. UOP is a wholly-owned subsidiary of Honeywell International Inc. and is part of Honeywell's Performance Materials and Technologies strategic business group, which also includes Honeywell Process Solutions, 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 diversified technology and manufacturing leader, serving customers worldwide with aerospace products and services; control technologies for buildings, homes, and industry; turbochargers; and performance materials. For more news and information on Honeywell, please visit **www.honeywellnow.com**.

This release contains "forward-looking statements" within the meaning of Section 21E of the Securities Exchange Act of 1934. All statements, other than statements of fact, that address activities, events or developments that we or our management intend, expect, project, believe or anticipate will or may occur in the future are forward-looking statements. Forward-looking statements are based on management's assumptions and assessments in light of past experience and trends, current conditions, expected future developments and other relevant factors. They are not guarantees of future performance, and actual results, developments and business decisions may differ from those envisaged by our forward-looking statements. Our forward-looking statements are also subject to risks and uncertainties, which can affect our performance in both the near- and long-term. We identify the principal risks and uncertainties that affect our performance in our Form 10-K and other filings with the Securities and Exchange Commission.

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