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## Kuwait Integrated Petroleum Industries Company to Expand Al-Zour Refinery with Honeywell Technology

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*Facility will become the largest integrated refinery and petrochemicals plant in Kuwait*

DES PLAINES, Ill., Nov. 27, 2017 – Honeywell (**NYSE: HON**) announced today that Kuwait Integrated Petroleum Industries Company (KIPIC) will use a range of process technologies from Honeywell UOP, a leading licensor of refining and petrochemical process technology, for the expansion of its refining and petrochemical complex at Al-Zour, south of Kuwait City.

Honeywell UOP will supply technology licenses, design services, key equipment, and state-of-the-art catalysts and adsorbents to produce clean-burning fuels, paraxylene, propylene and other petrochemicals.

“When completed, this will be the largest integrated refinery and petrochemicals plant ever constructed in Kuwait,” said John Gugel, vice president and general manager, Process Technology and Equipment at Honeywell UOP. “In addition to aromatics and propylene, the Euro-V fuels it will produce will be the cornerstone of Kuwait’s clean fuels initiative.”

The project includes a 50,000 barrels per day (bpd) **RFCC** complex with ethylene and propylene recovery, and a 24,000 bpd Honeywell UOP

Selectfining™ unit to produce low-sulfur gasoline. Two Honeywell UOP Merox™ units will be used to treat propane for propylene production, and isobutane to make clean-fuels blending components, including MTBE produced by a UOP Ethermax™ unit. Also included is a Butamer™ unit to convert normal butane to isobutane.

The contract also includes a 66,000 barrel-per-day (bpd) **CCR Platforming™** unit with a 74,000 bpd naphtha hydrotreater to make gasoline blend stock, and an **LD Parex™** aromatics complex — including the Honeywell UOP Sulfolane™, Isomar™ and Tatoray™ processes – to make 1.4 million metric tons per year of paraxylene, a primary ingredient in plastics.

In addition, an **Oleflex™ propane dehydrogenation** unit will produce 660,000 metric tons per year of polymer-grade propylene – another basic component in the production of plastics, synthetic rubber and gasoline additives.

Honeywell UOP is a leading licensor of process technology for the production of aromatics. As of last year, Honeywell UOP licensed more than 100 complexes and more than 700 individual process units for the production of aromatics, including more than 300 CCR Platforming process units, 158 Sulfolane units, 80 Isomar units, 58 Tatoray units, 100 Parex units and 60 Oleflex units worldwide.

Kuwait Integrated Petroleum Industries Company (KIPIC) is a new subsidiary of Kuwait Petroleum Corporation (KPC) set up by State of Kuwait to manage refinery, petrochemicals and LNG import operations in the Al-Zour complex.

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 software-industrial company that delivers industry specific solutions that include aerospace and automotive products and services; control technologies for buildings, homes, and industry;

and performance materials globally. Our technologies help everything from aircraft, cars, homes and 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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