Hengli Petrochemical Company Selects DuPont Clean Technologies for the Alkylation Complex

100-Percent Isobutylene Feed Stream - A New Era for Alkylation in the Gasoline Market

Wilmington, Del. (PRWEB) March 08, 2016 -- DuPont Clean Technologies (DuPont) is pleased to announce that Hengli Petrochemical Company (Hengli), based in Dalian, China, has awarded DuPont a contract to supply the alkylation and spent acid regeneration (SAR) technologies for the new, grassroots refinery in the Changxing Island Harbor Industrial Zone. The contract includes the license and engineering design packages for the STRATCO® alkylation and MECS® SAR units. Installation of the new units at Hengli is currently planned for 2018 with start-up anticipated in 2019.

The grassroots refinery complex, with the addition of STRATCO® alkylation technology, will allow Hengli to produce a high quality alkylate product (used as a blending component in the gasoline pool) from a 100% isobutylene feed stream.

“DuPont is pleased to provide Hengli Petrochemical with our world-class sulfuric acid alkylation technology to improve the overall gasoline pool from the refinery,” said Kevin Bockwinkel, global business manager for the STRATCO® Alkylation Technology. “The unique feed stream (100-percent isobutylene) available from the Hengli Petrochemical facility marks the beginning of a new era for alkylation in the gasoline market as the butane-to-alkylate movement grows around the world.”

As part of DuPont’s commitment to innovation, the alkylation unit at Hengli will utilize the patented XP2 technology in the STRATCO® Contactor™ reactor. The XP2 technology is one of the latest Contactor™ reactor enhancements developed by DuPont to ensure the most effective and efficient use of the tube bundle heat transfer area, providing significant process benefits resulting in improved alkylate product quality.

STRATCO® alkylation technology is licensed and marketed by DuPont as part of its Clean Technologies portfolio in Overland Park, Kansas. DuPont is the world leader in alkylation technology with over 90 units licensed and with more than 800,000 BPSD (31,400 kmta) of installed capacity. DuPont is committed to alkylation research and has extensive experience in assisting refiners with alkylation research, design, start-ups, test runs, troubleshooting, optimization, revamps, expansions, analytical testing, operator training, turnarounds and HAZOP studies.

The DuPont Clean Technologies division applies real-world experience, history of innovation, problem-solving success, and strong brands to help organizations operate safely and with the highest level of performance, reliability, energy efficiency and environmental integrity. The Clean Technologies portfolio includes STRATCO® alkylation technology for production of clean, high-octane gasoline; IsoTherming® hydroprocessing technology for desulfurization of motor fuels; MECS® sulfuric acid production and regeneration technologies; BELCO® air quality control systems for FCC flue gas scrubbing and other refinery scrubbing applications; MECS® DynaWave® technology for sulfur recovery and tail gas-treating solutions; and a comprehensive suite of aftermarket service and solutions offerings. Learn more about DuPont Clean Technologies at http://www.cleantechnologies.dupont.com.

DuPont (NYSE: DD) has been bringing world-class science and engineering to the global marketplace in the form of innovative products, materials and services since 1802. The company believes that by collaborating
with customers, governments, NGOs and thought leaders we can help find solutions to such global challenges as providing enough healthy food for people everywhere, decreasing dependence on fossil fuels, and protecting life and the environment. For additional information about DuPont and its commitment to inclusive innovation, please visit http://www.dupont.com.

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