

Firmennachrichten

SASA to build world’s largest Propane Dehydrogenation Unit using Honeywell Technology

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Honeywell recently announced that SASA Polyester Sanayi A.Ş. will build the world’s largest Propane Dehydrogenation (PDH) unit in Yumurtalık, Türkiye using the latest generation of Honeywell Oleflex^{TM} technology. The facility will have the capacity to produce 1-million-tons of propylene per year.

The Honeywell UOP Oleflex™ process is used to produce light olefins through the catalytic dehydrogenation of light paraffin and provides users with an on-purpose source of polymer grade propylene and/or isobutylene. The Honeywell UOP Oleflex™ technology is a low-energy consumption, lower-emission technology that utilizes a catalyst with recyclable platinum with lower environmental impacts relative to comparable alternatives.

The project will take place between 2023 and 2026 and includes the construction of a 1-million-ton capacity PDH production facility and liquid and container port construction.

“SASA is the first and largest polyester and polymer manufacturer of Türkiye, with a sustainable growth perspective, SASA aims to make Türkiye one of the top

three polyester manufacturers in the world and to become one of the leading players on a global scale, this vision is now a reality with the help of Honeywell's OleflexTM technology," said İbrahim Erdemoğlu, Chairman of the Board of Erdemoğlu Holding, SASA's majority shareholder. "This is SASA's first technology award for our new crude oil to chemicals development and this project will allow us to develop ourselves continuously as we maintain the spirit of innovation."

"Our OleflexTM technology enables investors like SASA to participate in the growing propylene market by producing propylene at low cash cost of production utilizing Honeywell UOP's proprietary highly active, stable, and environmentally friendly catalyst. The OleflexTM technology is backed by more than 75 years of continuous innovation in dehydrogenation technology by Honeywell UOP," said Bryan Glover, President, Honeywell UOP."

Since 2011, most dehydrogenation projects globally have been based on Honeywell UOP technology, including projects for propane (C3), isobutane (iC4) and mixed C3/iC4 service. Global production capacity of propylene from OleflexTM technology currently stands at approximately 13.2 million metric tons per year, with more than 42 million metric tons of propylene per year licensed capacity.