

thyssenkrupp Uhde to build a low-emission polyester plant for KÖKSAN in Turkey

- **Environmentally friendly Melt-To-Resin (MTR®) technology**
- **Up to 30% less carbon footprint from fuel and electrical energy**

thyssenkrupp Uhde's subsidiary Uhde Inventa-Fischer has signed a contract with the Turkish packaging producer KÖKSAN for the delivery of a PET production plant. The plant will be located in Yumurtalık, Turkey. The new production line will have a capacity of 324,000 tons of PET resin per year, suitable for all kinds of packaging applications and bulk continuous filament (BCF) production. Completion and commissioning are planned for 2028.

The plant will utilize the patented Melt-To-Resin (MTR®) process by Uhde Inventa-Fischer, enabling a significant reduction in energy consumption. thyssenkrupp Uhde's scope includes the license, basic and detail engineering, and the supply of all major plant equipment. In addition, the operating personnel of KÖKSAN will be trained by thyssenkrupp Uhde's technology and operation specialists. With this investment, KÖKSAN aims to further strengthen its market position. The various grades of PET resin produced will be supplied to local markets as well as to countries in the Middle East, the Americas, Europe, and Africa.

Nadja Håkansson, Member of the Executive Board / COO of thyssenkrupp Decarbon Technologies & CEO of thyssenkrupp Uhde: "We are very proud that KÖKSAN has chosen us to build another state-of-the-art PET plant. Our well-proven MTR® process demonstrates that our technologies deliver economic and environmental advantages at the same time, combining reduced energy consumption and higher yield with lower CAPEX and OPEX."

M. Murat Kökoğlu, CEO of KÖKSAN: "We are very happy to announce this project together with Uhde Inventa-Fischer, as already the first and second production line in Gaziantep deliver excellent performance and product quality continuously."

Economic and environmental advantages

The MTR® process developed by thyssenkrupp Uhde is a continuous polycondensation process that eliminates the solid-state-post-condensation process steps in the production of PET resin. This results in substantial energy savings, reduced investment costs, lower operating and maintenance costs, and a higher raw material yield compared to conventional technologies. The MTR® technology meets today's demand for sustainability by reducing the carbon footprint in terms of fuel and electrical energy by up to 30 percent. The process is based on the 2-reactor technology, which uses the patented ESPREE and DISCAGE reactors to obtain the desired high melt viscosities.

About thyssenkrupp Uhde

thyssenkrupp Uhde combines unique technological expertise and decades of global experience in the engineering, procurement, construction and service of chemical plants. We develop innovative processes and products for a more sustainable future and thus contribute to the long-term success of our customers in almost all areas of the chemical industry. Our portfolio includes leading technologies for the production of base chemicals, fertilizers and polymers as well as complete value-chains for green hydrogen and sustainable chemicals. www.thyssenkrupp-uhde.com

About KÖKSAN

KÖKSAN PET Packaging Industry Co. is one of the leading PET producers in the world, encompassing a wide range of products. Within 5 years they aim to produce RPET 3 Mio. Mt of PET chips and 2 Mio. Mt of PTA and are planning to produce rPET and virgin PET in various countries in the future. These include PET Resin, PET Preforms, PET Bottles and Jars, PE Closures, PET Sheets, and various types of Flexible Packaging such as Stretch Films, Cling Films, Shrink Films, Bubble Wrap, and Pet Flake. In addition, Köksan has facilities for Plastic Pallet production and Plastic Recycling. The company also supplies raw materials to both its own facilities and customers in the market, supported by a 50,000-ton modern liquid storage farm established in Adana Free Zone. As Türkiye's leading company in the PET and plastic packaging sector, Köksan exports to more than 100 countries and maintains its investments abroad. Köksan is an international investor with operations in China, Senegal, Libya, Kazakhstan, USA, Algeria, and Iraq. Köksan has transformed Türkiye from being an importer to an exporter of PET Resin. With an annual production capacity of 500,000 tons, Köksan has strengthened its market position both domestically and regionally.

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