



thyssenkrupp to build two major polymer plants for SASA in Turkey

thyssenkrupp Industrial Solutions' subsidiary Uhde Inventa-Fischer has signed a contract to build two new world-scale polymer plants for SASA Polyester Sanayi A.Ş in Adana, Turkey. One plant is planned to produce 1,050 metric tons per day (380,000 tons per year) of PET (polyethylene terephthalate) for low-viscosity applications. The second plant will use Uhde Inventa-Fischer's proprietary patented MTR® technology to produce 216,000 tons per year of resin for the production of PET bottles. Both new plants are among the largest single-line production plants for their respective products.

Werner Steinauer, CEO of Uhde Inventa-Fischer: "We are very proud that SASA chose us to build another two state-of-the art PET plants after we were already contracted to build one of the largest polyester lines last year. Our commercially tried-and-tested MTR process provides our customers with optimized energy consumption, maximum utilization of feedstocks and effective plant operation, thus significantly reducing the total conversion cost compared with conventional technologies."

The scope of delivery for both projects will include basic and detail engineering, the delivery of all necessary components, and technical services for erection, pre-commissioning and commissioning supervision.

Cost-effective solution for high-quality resin

The MTR process eliminates SSP (solid-state polycondensation) and leads to substantial energy savings. It reduces investment, operating and maintenance costs, has a higher raw material yield and results in products of superior quality. The MTR process is based on Uhde Inventa-Fischer's proprietary 2-reactor technology, which uses the patented ESPREE® and DISCAGE® reactors to obtain the desired high melt viscosities.

Energy-efficient, integrated low-viscosity PET plant

The design of the polycondensation plant will be based on the same proprietary technology, which in this case enables the production of superior high-quality polyester polymer. A characteristic feature of the plant is that the polymer melt will be conveyed directly from the polycondensation plant to several downstream lines.

About us:

The Industrial Solutions business area at thyssenkrupp is a leading partner for the engineering, construction and service of industrial plants and systems. Based on more than 200 years of experience we supply tailored, turnkey plants and components for customers in the chemical, fertilizer, cement, mining and steel industries. As a system partner to the automotive, aerospace and naval sectors we develop highly specialized solutions to meet the individual requirements of our customers. More than 21,000 employees at over 70 locations form a global network with a technology portfolio that guarantees maximum productivity and cost-efficiency.

The Electrolysis & Polymers Technologies business unit combines decades of engineering know-how and leading technologies in the fields of electrolysis, polymers, bio-polymers, base chemicals, as well as gas and high-pressure technologies. Our product range also includes innovative storage solutions for the growing renewables sector. We translate our extensive knowledge of processes and plant design into cost- and resource-efficient solutions and expert service for customers around the world.

For more information visit: www.thyssenkrupp-industrial-solutions.com

About SASA:

SASA is one of the leading manufacturers of PET textile fibers, filament yarn and special polymers. At its company location in Adana, Turkey, it employs around 1,500 people. SASA also operates its own R&D facilities.

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