

Inauguration of new chemical complex: MOL and thyssenkrupp Uhde celebrate opening of Polyol Plant in Tiszaújváros, Hungary

- The €1.3 billion project is a major part of MOL's largest organic investment to date.
- The complex will produce raw materials for durable plastic consumer goods such as bed mattresses, molded car seats, insulation for houses and elastic rubber soles for sports shoes.
- Thanks to the innovative technology of Germany's thyssenkrupp Uhde and Evonik, the plant is operating with the most advanced technology available.

The polyol complex, engineered and built by thyssenkrupp Uhde, is a milestone in MOL Group's history, as it represents the culmination of its largest organic investment ever. The plant uses state-of-the-art technology from Germany's thyssenkrupp Uhde, making it one of the most modern and efficient facilities of its kind in the world. MOL and thyssenkrupp signed the license agreement in summer 2017, and the foundation stone of the complex was laid in September 2019.

“With this new MOL polyol complex we establish new standards in terms of efficiency, environmental friendliness and automation by combining proven technologies with innovative solutions”, said Nadja Håkansson, CEO of thyssenkrupp Uhde. “We are grateful for the deep and trustful partnership with MOL. This polyol plant is a true landmark project and a great demonstration of how we at thyssenkrupp Uhde enable the industrial green transformation. With fully integrated and highly automated plant units, the valuable polyol chemicals will be produced in a highly efficient and sustainable way.”

“I am proud that we have completed the polyol complex. It was a true international team effort, a great collaboration involving thousands of people over the past six years that enabled us to deliver MOL Group's largest investment ever, perhaps the biggest development in modern Hungarian history. We have come a long way, but the road ahead is even longer, as the polyol complex will significantly strengthen our company's position and competitiveness, with the entire value chain from petroleum processing to polyol production,” said Zsolt Hernádi, Chairman and CEO of MOL Group.

The project involved an international team of thousands of experts, with engineering design work carried out in Germany, Thailand, India and Hungary. The plant equipment came from 24 countries. The construction of the complex involved 75 000 cubic metres of concrete, 13 000 tonnes of steel, 2 500 kilometres of cable and 700 kilometres of pipelines laid in more than 18 million working-hours.

Top technologies relieve environment and reduce risks

Among the technological highlights are the fully modularized polyol units, which were constructed in a controlled environment in Thailand and then shipped to site. This PPMOF approach (prefabrication, preassembly, modularization, and offsite fabrication) minimizes efforts on site, reduces overall project risks and takes pressure out of the project schedule. The Evonik-Uhde HPPO process is a very environmentally friendly technology, which only produces water as a by-product. In the whole plant, advanced automation helps to ensure efficient and safe operation of the whole complex.

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 MOL Group

MOL Group is an international, integrated oil, gas, petrochemicals and consumer retail company, headquartered in Budapest, Hungary. It is active in over 30 countries with a dynamic international workforce of 24,000 people and a track record of more than 100 years. MOL Group operates three refineries and two petrochemicals plants under integrated supply chain-management in Hungary, Slovakia and Croatia, and owns a network of almost 2400 service stations across 10 countries in Central & South Eastern Europe. MOL's exploration and production activities are supported by more than 85 years' experience in the field of hydrocarbons and 30 years in the injection of CO₂. At the moment, there are production activities in 8 countries and exploration assets in 10 countries.

MOL is committed to transform its traditional fossil-fuel-based operations into a low-carbon, sustainable business model and aspires to become net carbon neutral by 2050 while shaping the low-carbon circular economy in Central- and Eastern Europe. For more information: <https://molgroup.info/en>

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