



SIBUR-NEFTEKHIM'S MODERNISATION DRIVE

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One of the process columns was upgraded, with several pieces of rotating and heat-exchange equipment and control valves involved in MEG production replaced with higher-performance solutions. In addition, a higher level of reliability and safety of operations was achieved by using more resistant materials in certain pieces of equipment, piping and valves.

"A holistic approach, combining upgrade and maintenance activities on fixed assets has enhanced the reliability of operations, which successfully passed an industrial safety review, enabling a higher production cap on the core product," noted Mikhail Gurlev, Chief Engineer at SIBUR-Neftekhim.

Monoethylene glycol is used in the chemical industry to produce polyethylene terephthalate, polyester fibres, solvents, anti-freeze, deicing and hydraulic fluids, without forgetting its role in oil and gas production to absorb water and prevent hydrate plugs.

SIBUR-Neftekhim has been in operation since February 1982, with current annual capacity of 130,000 tonnes of ethylene oxide, 300,000 tonnes of glycols, and 35,500 tonnes of acrylic acid and esters.