## History of PJSC KuibyshevAzot

Construction of Kuibyshev Nitrogen Fertilizer Factory (KATZ) began in 1961. In 1966, the enterprise started operating according to the complete technological scheme. August 23, 1966 is considered factory's official date of birth. KuibyshevAzot Production Group was founded in 1975, with KATZ as a parent enterprise, comprising Togliatti Nitrogen Plant (ToAZ), Azotremmash and Transammiak. In 1981, as a result of reorganization, these companies became separate legal entities. In 1991 KuibyshevAzot became a leased enterprise, and then in 1992, KuibyshevAzot Closed Joint Stock Company was founded.

During the crisis of the 1990s, when there was a change in the economic and political model of the country, the Company, unlike many other factories, was able to keep the production of marketable products at the pre-reform level and retain a highly skilled stable team. The beginning of the new century became a time of rapid growth for KuibyshevAzot. As part of the Company's development strategy, aimed at increasing the share of products with higher value added, since 2000, an advanced caprolactam processing project has been implemented. The Company has built a complex for the production of polyamide 6, technical yarn and cord fabric at the industrial site in Togliatti, commissioned engineering plastics production in China, acquired assets for the production of technical and textile yarns, cord fabric in Kursk, polyamide fabrics in Balashov. The Company has organized agrochemical rail bases, a dealer network for the sale of mineral fertilizers.

Currently, PJSC KuibyshevAzot is a group of companies with the enterprises and divisions located in various regions of the Russian Federation, as well as Germany, China and Serbia. There are joint ventures operating at the industrial site in Togliatti established with several of the world's largest companies.

### Commissioning of Primary Facilities

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| 1961 | Start of construction of Kuibyshev Nitrogen Fertilizer Factory. |
| 1965 | Commissioning of the first production facilities: weak nitric acid and ammonium nitrate plants using purchased ammonia. |
| 1966 | Start-up of the first ammonia production line and an air-separation plant. |
| 1968 | Commissioning of a urea production. |
| 1969 | First strong nitric acid produced. |
| 1970 | Start-up of the second ammonia production line. |
| 1974 | Commissioning of the first caprolactam, cyclohexanone and ammonium sulphate production line. |
| 1977 | Start-up of the third ammonia production line. |
| 1985 | Commissioning of an argon plant. |
| 1988 | Start of a liquid-fertilizer production (UAN). |
| 1991, 1994 | Decommissioning of the strong nitric acid production and the first and second ammonia lines due to their obsolescence. |
| 1993 | Start-up of the second caprolactam production line. |
| 1996 | Commissioning of a hydrogen production plant. |
| 1997 | Start-up of a nitro- and denitrification plant for treatment of the plant's effluent water. |
| 1997-2000 | Retrofitting of the ammonia plant with extension of its capacity and reduction of natural gas consumption. |
| 2002 | Establishment of the agrochemical railroad warehouses in the villages of Podbelsk and Obsharovka (Samara Region).<br>Reconstruction of a purification unit at the caprolactam production plant with a reduction in energy consumption. |
| 2003 | Commissioning of a polyamide-6 production line.<br>Establishment of an agrochemical depot with a railroad warehouse in Krasnodar Region to develop the domestic marketing network. |
| 2004 | Commissioning of a high-tenacity industrial yarn and tyre cord fabric production line. |
| 2005 | Commissioning of a new hydrogen production plant. |
| 2006 | Start-up of the second polyamide-6 production line. |
| 2007 | First product from the third polyamide-6 production line. |

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| | Integrated management system was certified in compliance with international and Russian standards: ISO 9001:2000, ISO 14001:2004, and OHSAS 18001:2007.<br>Commissioning of engineering-plastics production at KuibyshevAzot Engineering Plastics (Shanghai) Co., Ltd. in China.<br>Food-grade carbon dioxide plant was started as a Joint Venture at the site of KuibyshevAzot.<br>Acquisition of KurskKhimVolokno LLC. |
| 2008 | Commissioning of the sixth cyclohexanone dehydrogenation unit at the caprolactam production plant.<br>Reconstruction of a synthesis-and-distillation unit at the urea plant with a capacity increase of 8%.<br>Acquisition of an agrochemical depot with a railroad warehouse in Saransk, Mordovia Republic. |
| 2009 | Commissioning of a new air-separation unit and a high-pressure gas pipeline. |
| 2010 | Start-up of the fourth polyamide-6 production line (textile grade).<br>Modification of the ammonia plant with a capacity increase to 1,800 tons per day.<br>Transition of technological processes to a high-pressure gas.<br>Soda ash production started.<br>Purchase of part of the property complex of Balashovsky Textile, foundation of Baltex LLC and restoration of polyamide fabric production.<br>Acquisition of an agrochemical depot with a railroad warehouse in Taganrog, Rostov Region. |
| 2011 | Commissioning of a masterbatch production plant.<br>Acquisition of STFG Filamente GmbH (Germany), producer of textile polyamide yarn for industrial use.<br>Signing of a strategic partnership agreement between KuibyshevAzot PJSC and Royal DSM N.V. (the Netherlands). Within the framework of this cooperation two joint ventures were founded: engineering plastic producer – Volgaplast and trade JV – Volgalon.<br>KuibyshevAzot leased the spinning-drawing shop at Khimvolokno LLC (Shchekino) with the option of its subsequent buyout. |
| 2012 | Start-up of an ammonium sulphate compaction plant.<br>Commissioning of the third soda-melt crystallizing table. |
| 2013 | Signing of agreements on the establishment of the joint ventures producing: ammonia – with Linde Group (Germany), and air separation products – with Praxair Inc. (USA).<br>JV Linde Azot Togliatti LLC was established. |
| 2014 | Commissioning of a heat-treated tyre cord fabric dipping plant.<br>Start-up of a big-bag packaging plant for compacted and crystallized ammonium-sulphate.<br>Start-up of a waste water treatment plant at the ammonium nitrate production plant. |
| 2015 | Commissioning of the upgraded purification plant.<br>Establishment of JV Granifert LLC for the production of granular ammonium sulphate with Trammo AG (USA). |
| 2016 | Commissioning an energy-efficient cyclohexanone production unit with a capacity of 140,000 tons per year based on the license of DSM (the Netherlands);<br>Start-up of an industrial gases plant together with Praxair (USA).<br>Establishment of a joint-venture for sales of fertilizers in Volgograd Region. |
| 2017 | A joint venture of KuibyshevAzot PJSC and MET Development S.p.A was set up (project division of Maire Tecnimont S.p.A. (Italy)) for design and construction of urea production plant.<br>Start of operation of Linde Azot Togliatti LLC, a JV with German company Linde, for ammonia production.<br>Start-up of a nitric acid line. |
| 2018 | Start of the fifth polyamide-6 plant.<br>Granulated ammonium sulphate facility has been commissioned at Granifert LLC.<br>An agreement signed with VEB RF on participation in the project for construction of the improved oleum and sulfuric acid production facility in the framework of Volgatechnool LLC.<br>A liquid nitrogenous sulfur-containing fertilizer (UAN + S) plant has been commissioned.<br>A joint venture established for sales of fertilizers in the Republic of Tatarstan. |