

## The Meeting of the Coordination Council for the Development of Russian Fastener Production of Fasteners for the Automotive Industry Takes Place in Belebey

On March 17, in Belebey (Bashkortostan), a meeting of the Coordination Council for the Development of the Production of Hardware Products in Russia was held, the key topics of which were import substitution of metal products and the quality of the Russian fasteners for mechanical engineering.

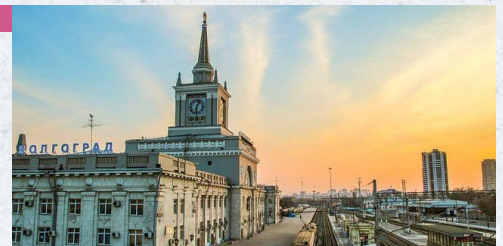
The event was held as part of the implementation of the agenda of the Intersectoral Work Program for the development of new types and improve the quality of metal products for the automotive industry, which was approved by the Ministry of Industry and Trade of Russia and is valid until 2023.

The participants of the Coordination Council noted that despite some problems, arising with wire rod, vintage composition and standard sizes, in Russia there are new technical specifications and examples of successful import substitution. BelZAN JSC, a manufacturer of fasteners, works with economically alloyed and boron-containing steel grades according to TU-14-1-5675-2019, which was developed by TsNIChemet. The meeting participants agreed with the use of steels by these specifications. After refinement in relation to the European standards, they are ready to take them as a basis in the manufacture of fasteners for the automotive industry.



## Volgograd Hardware Plant Receives Funds for the Development of Fastener Production

A new type of fastener will be mastered using a loan in the amount of 45.6 million rubles at Volgograd Hardware Plant. This amount was received immediately from two Funds for the development of industry - federal and regional ones. Mastering the manufacturing of a new type of product is not the only goal of the modernization of production lines, which will be carried out with the help of investments. Another goal is to increase production volumes.



## The Warehouse of "Parallel" Has been Automated

Specialists of "Toplog" automated the warehouse of "Parallel" - a manufacturer of special fasteners, located in Oryol. Personnel training was held there, and in January 2020 a full-fledged industrial launch of the WMS-solution took place at the Parallel company's warehouse. As a result, all warehouse work processes were automated. The system automatically distributes tasks between warehouse workers. The company's management has received full access to all reports on the work of the unit and always has up-to-date information on the progress of orders.

## Space Launches Postponed Due to Low-quality Bolts

The first in 2020 Proton-M missile launch was postponed from late March to late May. The reason for this, as reported to RIA Novosti Alexey Varochko, General Director of the State Space Research and Production Center (GKNPC) by Khrunichev, was a mismatch of components with the necessary parameters. In order to fulfill the contract for launching two telecommunication satellites Express-80 and Express-103 into the geostationary orbit, they made a decision to replace the defective elements.



According to Vedomosti after a source close to the leadership of the GKNPC, defects were discovered on two Protons, assembled in 2015–2016: the first missile was intended to launch two Expresses, and the second - for the July launch of the most important Russian-European scientific ExoMars-2020 mission to Mars. On both missiles problems were discovered with bolts, used for the internal mountings of the Proton elements. According to the results of the audit, it turned out that they had been overdone at production process, which negatively affected their strength. ■

