

Russian News

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At the 3rd International Forum of Engine Building the Details Made of New Alloys were Presented

"All-Russian Institute of Light Alloys" and "United Engine Building Corporation" presented their joint developments at the 3rd International Forum of Engine Building, which was held in Moscow at VDNH from April 4 till 6, 2018. At the stand of "VILS" the visitors could see the workpieces for the advanced aviation and marine gas turbine engines. The semimanufactures were made of the series granulated heat-resistant EP741NP alloy and new granulated alloys of the "VVP" class. This was reported by the press service of JSC "RT-Project Technologies".

At the moment, "VILS" conducts research work on the order of "ODK". The work is aimed at the creation of a scientific and technical reserve for the production of details of the modern aviation turbojet engines and the development of new high-temperature granulated nickel alloys. "In addition, the technology for the production of fasteners with an increased level of performance for the new engine "PD-14" will be developed", it is said in the report.

"Center of the Assessment of Specialists Qualifications" will Start Its Work in "KONAR"

The company "KONAR", the manufacturer of parts for pipeline fittings and fasteners for flange connections, received a certificate signed by Vladimir Gutenev, the first vice-president of "Union of Machine Builders of Russia", Chairman of "Council on professional qualifications in engineering". The document is the confirmation of compliance with all the requirements for such centers. The center is already ready to assess the qualifications of the general-profile machine-operators and the engineers of production preparation.

In prospect - the work with specialized educational institutions. "KONAR" plans to conduct an independent evaluation for the graduates of educational institutions. This will help select the best students for further employment to the companies and work with universities and technical schools in terms of adjusting training programs for real needs of production.

Russian Companies are Approaching "Industry 4.0"

PLATTFORM INDUSTRIE 4.0

The jump to "Industry 4.0" gives the Russian enterprises a chance to overtake the lag. As examples: "ODK-Saturn", "Kalashnikov Concern", "RosElectronics".

On the basis of "ODK-Saturn" the first "smart factory" is being created in Russia. At the enterprise a testing ground for development of innovative production technologies will be created. The ground site is planned to be launched before the end of the year. At the site the prototypes of high-tech solutions will be developed and adapted for mass production. Domestic ideas and developments of "Industry 4.0" format will be tested at the real production conditions.

Similar technologies are being introduced in other industries as well. In the automotive industry the production of a fundamentally new UAZ "Patriot" car of the 2020 model line has already been equipped with "the factory of future", and the company "VolgaBus" works with the help of a new program to create the unmanned commercial vehicles.

The largest nuclear icebreaker "Arctic" at the "Baltic Plant" is also built using electronic systems. Several other projects are being implemented in the aircraft industry and the rocket and space industry. By 2035 it is planned to create 40 smart "factories of future" in Russia, as Denis Manturov, Industry and Trade Minister, said during the industry forum "Innopro".

BSW Has Shipped Million Tons of Goods Made in the Hardware Workshop

Now BSW in workshop No.2 is producing over 50 types of bars, 27 types of wire-rod, 5 types of reinforcing. More than 75 % of metal rolling is going for the export to over 30 countries. Among customers of these goods are companies, which produce accessories for leading automobile concerns.

