**VI Forum of Kazakhstani Mechanic Engineers**

**VI Forum of Kazakhstani Mechanic Engineers was conducted in Astana city on September** 20-21, 2018 in Conference Center EXPO**.**

Sponsors of the Forum were the Ministry of Investments and Development of the Republic of Kazakhstan, Engineering workers guild of Kazakhstan with the support of the Government of the Republic of Kazakhstan and general partner of Samruk Kazyna JSC.

Subject of the Forum: “**New possibilities of development in terms of fourth industrial revolution”**.

The latest and various issues, related not only to engineering industry, but large system issues of the whole processing industry were discussed on the Forum.

Engineering became the fastest growing branch in Kazakhstan during the years of implementation of first five-year plan of the national programme of Industrial-Innovative Development. Production output in the branch has increased in 2,3 times from 376 bln. KZT in 2010 up to 870 bln. KZT in 2014. Share of domestic engineering to the extent of manufacturing industry has increased from 9,7% to 14,8%.

Following the results of eight months 2018б engineering production output was more 638,1 bln. KZT, industrial growth – 13,8%.

**Automobile manufacturing** has the largest growth dynamics among engineering branches. More 19 thousand cars (index of physical volume of production 150,1%) with total cost 117,7 bln. KZT were manufactured during 8 months of current year. This is in 1,6 times more than during the same period of the previous year.

Cause of sharp increase of production is recovery of market demand, opening of export markets, and also programme of subsidized automobile lending and leasing financing on part of the state, which have positive impact on development of automobile manufacturing sector. So, if in 2017 every third sold car was manufactured on domestic enterprises, **according to the results of 8 months 2018 year, every second sold car is of domestic manufacturing**.

It is planned to continue concessional lending programme (in the amount 10 bln. KZT) and leasing financing of commercial engineering (30 bln. KZT) during the next year.

Sector of electrical engineering is characterized by the sustainable production dynamics and more in-depth local manufacturing content in comparison with other engineering sectors.

According to the results of 8 months of the current year, index of physical volume of production was 143,1%, production output is about 80 bln. KZT. Increase in volume of the largest sector players impacted on industrial growth. Manufacture of electric lead-acid batteries has increased on 9,6% according to the results of 8 months of the current year and exceeded mark 1,5 mln. units, manufacture of lamps and lighting facilities has increased in 21 times, manufacture of electronic cables has increased on 84%. Increase of export supplies to CIS market, mainly to the Russian Federation, promoted the growth.

More 1000 freight cars were manufactured in **railroad rolling stock manufacturing** during 8 months of the current year, and this is on 37,2% more than in the similar period in 2017 year.

**Agricultural engineering** of Kazakhstan is represented by some domestic enterprises, which are engaged in assembling of agricultural machinery and equipment.

Production output in the sector of agricultural engineering was about 12 bln. KZT during 6 months of 2018 year, increase was on 33,8% in comparison with the similar period of the last year. Increase in production is observed on Agromashholding JSC, combine plant “Vector” LLP, Kazakhstani agro-innovation corporation LLP.

The state takes supportive measures for the branch such as value added tax exemption on sale of agricultural equipment, funds for subsidized leasing of combines and tractors (in the amount 3 bln. KZT) were allocated from the budget in the current year. The Ministry works though allocation of additional 3 bln. KZT in the current year.

**Ore-mining and oil-and-gas machine building enterprises** are mainly focused on meeting the demands of strategic, oilfield service companies and subsurface users. These branches are characterized by application of robotic welding stations (elements of Industry 4.0.). Vivid examples of the industry are Maker LLP, Zhigermunayservis LLP, Ust-Kamenogorsk Valve Plant JSC and others.

More **100** projects (in the amount about **260 bln. KZT**) in engineering industry were implemented during implementation of industrialization program and about **11 thousand** work positions were created.

New factor of the further engineering development is digitalization of production and technological modernization.

This year the Ministry implements the project on introduction of elements of Industry 4.0 on some private enterprises for development of appropriate additional measures of state support. 7 model digital factories, including 3 engineering enterprises, were selected. These are Kentau transformer works JSC, Almaty ventilator plant JSC and Karlskrona LLP (pump equipment and isolation valve). Technology audit was conducted on these enterprises, and according to its result road maps on digitalization were approved and their implementation was begun.

This year the Ministry of Investments and Development and Kazakhstani engineering workers guild developed a project of comprehensive development plan of engineering for 2019-2030, which purpose is competitive growth of domestic engineering, fulfillment of internal market with product of Kazakhstani manufacture, increase of export level.