

Innovations in Industrial Manufacture of Azerbaijan

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Abstract— In modern conditions in time usage of innovations in industrial enterprises of Azerbaijan is guarantee of successful functioning of whole industry of the country. It is necessary to note that, more than 90 % of growth of efficiency of labor and 60 % of extra profit coming on usage of achievements of scientific-technical progress.

Keywords— *innovations; industrial; modern technologies*

In this respect, modern technologies and their scaled usage in enterprises of the field is necessary for boost of national economy to high level of development.

It should be noted that implementation of new achievements of scientific-technical progress ensure base for dynamic social-economic development for enterprises of industry, anticipating followings: establishment of necessary size of manufacture incurring from demands of the market; enhancing competitiveness of manufactured production; improvement of conditions of labor; lightening solution of social problems; smoothing seasonality in separate branches of industry; creation of opportunities for reprocessing in place of wastes and garbage of industry.

It should be emphasized that, cooperate manufacture plays important role in provision of incessant work of industrial enterprises and today it is developed in the fields manufacturing constructive complex production and requiring its special technical characteristic and parameters.

Appearance of effective forms of cooperating in industry is based on joint usage of nearby situated enterprises of objects auxiliary manufacture and serving economy with maximal completeness, loading during whole year. Opportunity of smoothing seasonal character activity many branches and strengthening mutual relations enterprises et nearby in a zone of reprocessing of raw material or in the region of usage is added to this special form.

Technical equipments and squares of these technological workshops in low season cannot be always used, as at this period main manufacture works, and objects of auxiliary manufacture and serving economies are always efficiently being exploited by other nearby situated enterprises. Repair-mechanical skilled, electrical installation and networks, heating economy, local railways, transportation means, general manufacture squares and etc. are referred to it.

It should be noted that in season it is more reasonable to use auxiliary manufacture and servicing economy, because manufacture is realized in much larger scale, naturally much

cheaper. This type of centralization of auxiliary progress contributes very importance in general and in field scale. Usage of new technologies, also mechanizing and automating of manufacture processes is important in the work of enhancing of the work of servicing economy that will stimulate boost of efficiency of labor in industrial of enterprises of the country.

Held investigations showed that, manufacture of machines and equipments subjected to thorough changes and volume of penetration new productions in 2010 in comparison with 2005 decreased for 1.7 million man. Expenses for technological innovation in 2010 in comparison with 2004 increased for 1.9 times. Subsequently, delay of penetration of innovation in industrial manufacture of the republic is connected with a range of factors, mains are shown below:

- Shortage of own resources of enterprise
- Absence of satisfactory level of financial support by the government
- High level of cost of innovations
- High economic risk
- Low innovative potential of enterprise
- Shortage of qualified staff
- Absence of reliable information about new technologies
- Backwardness of innovative infrastructure

Penetration of energy saving technologies and processes is necessary for successful functioning of fields of industry in conditions of market in modern period. Technically equipment of manufacture and labor characterize such range of indications as fundarmament, technical armament of labor and fund capacity of productions

So, in competitive struggle of field getting optimal combination of minimum necessary chemicalization as a base of technology and acceleration of processes in combination with biotechnology, genetics, bioengineering, biological methods of protection are important. Product of industry can be high competitive, if it is ecologically clean.

System of financing plays important role in affair of usage of innovations and technical rearmament in fields. Problem of financing of penetration of new modern competitive technologies, complex mechanization and automating of manufacturing process and management, usage of progressive forms of organization of manufacture and labor, all which appear from the purpose of increasing of competitiveness are the most actual and necessary. Therefore, problem of financing of scientific-technical progress in field is necessary to solve by

multiple plans and channels until involving local and foreign investors.

It should be noted that, from the economic point of view investments and innovations are very attractive, everything contributed to it returns earlier than other spheres. All of these will stimulate increasing of efficiency of manufacture and creation of competitive production meeting requirements of modern market.

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