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Quality continuous improvement of production process in aspect of usage quality researches and estimation methods

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In this paper the select problems, relating to usage of quality reaserching and estimation methods in contiunous improvment of companies working has been presented. It has been proposed use new approach of influence quality reaserching and estimation methods on producion process. This new approach is a propose of new lifintg strategy of effectivity and efficiencies acitivites of technological processes in production company.

1. INTRODUCTION

Problem formations a high qualities of products play more nad more greater part in polish economy, so very importants aspects appear beginnig active dissolving of problems, which existng in firms and aslo their continuous improvement [1].

Companies improvment became so conscious intentional and planned activity with participation of functional organization rungs, which embracing all realized processes. It is connect with elements such a quality of company organization information system and also construction and technological aspects, and also quality of each stages of formation final product, how also a proper product and date of keeping realization of orders [2-3].

The present idea of quality management, assurance and control relies first of all on change of quality approach strategy. At present special pressure puts on “prevention strategy “which take place “detecting strategy“ [4]. This approach has influence on optimisation of production process and also reducing of costs [5].

Foregoing aspects can be realized across suitable selection and utilization of quality researches and estimation methods, and also for example creating model of influence quality reaserching and estimation methods on producion process.

2. QUALITY CONTINUOUS IMPROVEMENT OF PRODUCTION PROCESS

In circumstances reaching of market transformation and growing more in tense of competition, Polish firms are subject many transformation. This transformation caused are continuous their adapting to come into being and of conditionings environments, how also with endeavour to widely understood success through delivery of products and of services about high qualities [5-7].

In Polish companies more and more general consciousness, that quality of products is not only result of productive process, and what behind this goes of activities immediate performers, but with result of many connected processes with formation and with possession of product.

In practice hardly ever exists chance so that process was isolated. In mosts it is related with row of other processes. In this manner shapes chain of cooperating processes, , where parameters, exit - sizes one are simultaneously sizes , parameters of entrance - next process of flaws (fig. 1), and this creates so general process of working productive firms, usage of quality researching and estimation methods on production process.

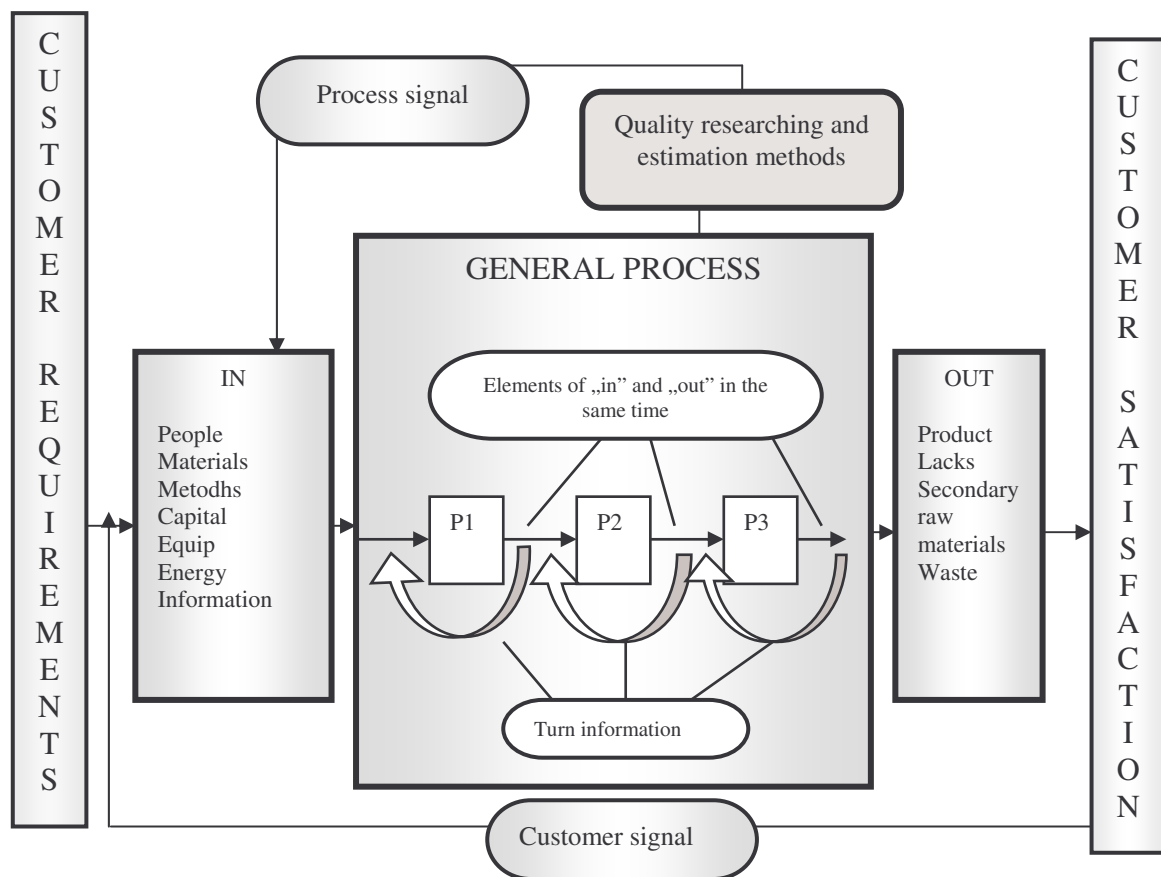


Figure 1. General process with regard of quality researching and estimation methods

Improvement of company is provided activity, relating to all elements of organization with active participation of workers, embracing realization and monitoring all stepping out there of processes. At what, improvement of processes is continuous activity.

Passed researches in select polish firms showed, that development come into being of leading problems to improvements of quality should be monitoring road of initiation their in life on every stage of creation of finished product.

So that came into being possibility continuous improvements of quality of processes, and what behind this goes qualities finish product, should come into being suitable and efficient model making possible analysis their realizations (fig. 2).

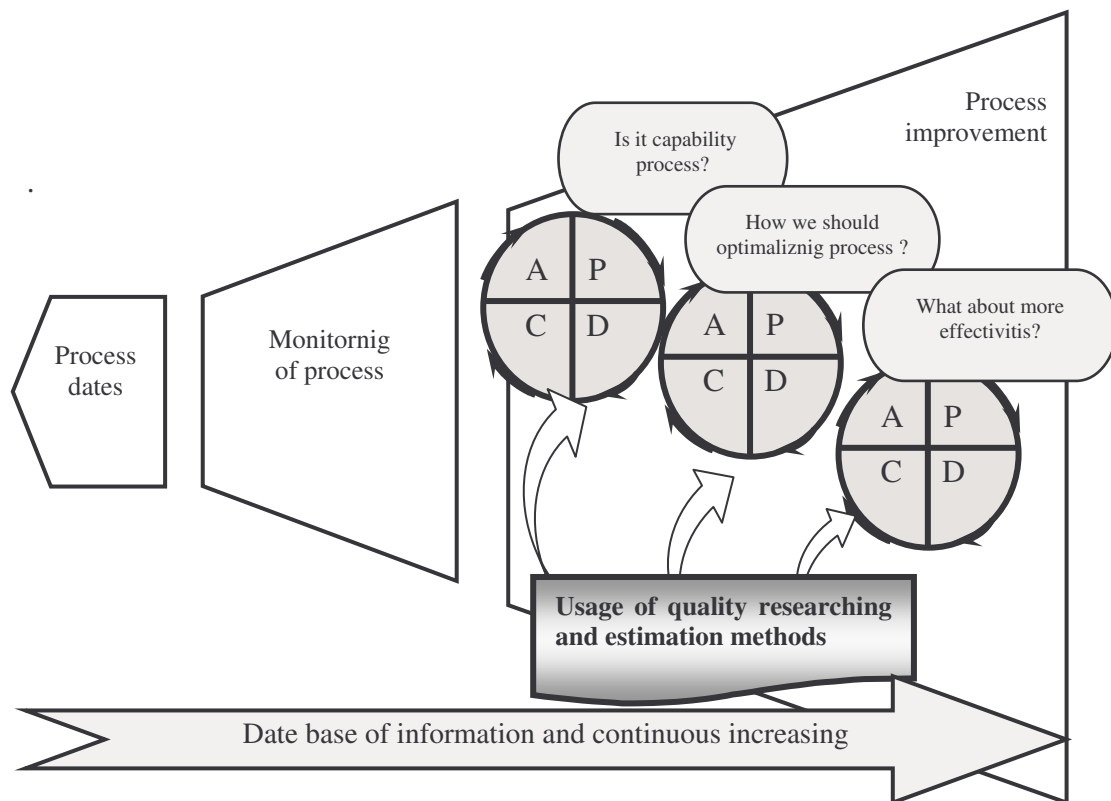


Figure 2. Continuous improvement of process

Important aspect becomes skill efficient connection of cycle PDCA (Plan- Do- Check- Act) with use of quality methods, techniques and tools. Suitable selection of tools and methods, orientation in which one point of process we are, realization of suitable measurements will make possible analysis and understanding reasons of errors formation in working processes, and what behind this goes in all firm, and this in turn will permit on identifications and use of activities correcting.

Rightness of decision, and in this use of suitable quality researching and estimation methods will influence on process continuous improvements of quality product.

Analysing above - one from essential aspects of realization these of proquality assignments is suitable selection talked over in quality researching and estimation methods on every stage of finished product creation.

Passed research permitted on ascertainment, that methods these carry in essential contribution in improvement of quality and productiveness in cycle of product life.

3. SUMMARY

Today's directions of development and tendencies in industry, such how enlargement of complexity of processes and their automatization, elastic flow of information, optimisation of processes and diminishing of costs, how also computer aid of working organizational

individuals exert pressure to beginnings of research active of problems dissolving and new possibilities of estimation processes and of monitoring and improvements products.

Success of intentional targets and in this of success, possible is only in such firm, which will be able to take care for one's own constant improvement at simultaneous to realizing of requirements and satisfactions of customer. Aims these attains across initiation of modern idea of quality management, and in this using in one's own activities of many quality researching and estimation methods, in sphere: before production, production and after production, and so on every stage of creation of final product.

Utilisation of quality methods in Polish firms permits on essential avoidance of occurrence productive defects in analysed chances already on stage of production. This oneself, also increase justification of staff regarding for holding the high products qualities.

Quality methods determine also the optimising factor production process, and what behind this goes - are chances on improvement of economic situation given economic individuals, so important free-market economy sphere.

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