

THE HYPOTHESIS OF A NEW APPROACH TO LEAN PRODUCTION INTO THE CONTEXT OF LEAN THINKING

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ABSTRACT

The enterprise management entirely depends on the literacy of strategic management and intellectual potential of employees. Presented in the article are orthoepic content terms of Lean. Also the article includes the detailed analysis of the main operating functions of the production in the concept of lean enterprise, the tools of «Lean Production» as evolutionary development philosophy of «Lean» and the updated hypothesis of a new approach to Lean Production, based on the Noosphere Thinking. In that case, there are born a new term of «Lean Learning Manufacturing».

«TOPICALITY OF RESEARCH»

During the last decade, the leadership of many Russian companies began to understand that the deciding factor on the path to business success is a clear statement of the company's strategy and its effective realization. Control of the operating system business is a key in this respect. Performance of the main operating functions of the enterprise is based on the strategic vision of the enterprise core competencies and capabilities to enhance its competitiveness in the market.

Every company strives to meet customer needs, and so maximizes production applying the most efficient use of production facilities and talent. That is why increasing international competition and rapid technological development require the heads of organizations to consider in a new way the full range of management issues for its operating units responsible for the production of goods and services.

During the last decade, management of many Russian enterprises has begun to understand the prospects of using the principles of Lean Production. However, in the pursuit of «winning» as a loyal customer, the company should not forget about the rationality of the use of intellectual, natural and financial resources. In this context, the process of rational using of available recourses becomes important in society, in the company. Therefore, solving the problems of today, we can build a future through the lean technology.

The concept of Lean Production is the philosophy of management, where we don't speak only about changing the prevailing style of production organization, but about a modern culture too; about creating new operating systems, which will be riddled with lean thinking, both among the highest, and among the lower strata enterprise.

Enterprises of this type focus on management approach, the use of existing reserves on the basis of conjecture «Noosphere Thinking». Before proceeding to the analysis of Noosphere Thinking is needed to define the genesis of the concepts of Lean Manufacturing. The hypothesis of a new approach is in the concept of Lean Production in the context of Noosphere Thinking for expanded and detailed proof of the existence. Now the challenges are facing business partly arise because of resistance to change, lack of professionalism, and lack of motivation. Change of ideas and methodologies are cyclically. In the thirties of the twentieth century philosophy of business management system was the most advanced to the «Toyota Production System» (TPS). Today this concept is known as «Lean Production».

The concept of «Lean Production», based on specific principles, where the paramount value is the consumer, and is transformed into a «Lean Thinking», dictated by the value from the standpoint of the manufacturer and the substructures of the operating system business in general. Value - the starting point of Lean Thinking. Value is created by the manufacturer, as defined by the user. Both external and domestic consumers are advocates in the role of consumer. Anybody in any stage of the production process is also considered as a consumer, which should provide all necessary and at the right time. Therefore, it is important to understand values through the integration and coordination of staff through educational programs, which are not only learning the technological aspects, but also brought up the morale, values of the organization.

The process of producing goods and services has been being allowed to talk long about operation management. Breakthrough in the development of the concept of scientific management and production methods has been marked by Just-in-time development approach. The aim of JIT is a smooth and rapid flow of materials, information, and finance through the entire operating system. JIT – strategy driven demand – is nothing made up for as long as there is no need of it. The demand for parts or finished products «pulls» the product of the system. The phrase «sell daily – make daily» embodies the essence of JIT-standard.

Order formations became possible by the emergence of MRP-system as appropriate and in the right quantities. In many ways, the successful implementation of MRP-system depends on the support and active participation in the project implementation of top management. Ignoring this condition is fraught with consequences that can meet resistance from the rank and file employees in the flesh to the loss of communication with business objectives and strategic goals. Reactive process of order execution is carried out through a Kanban system. The Kanban heart is theorizing of the scientific organization of labor theory of F. Taylor and streaming production of H. Ford.

The main purpose of implementing the principles of Kanban and «pull flow» is rapid response to customer needs at the right product at the right time in the specified amounts. To implement this principle the introduction of quick changeovers of equipment – SMED system (Single minute exchange of die) is required. This system implements the approach of Total Productive Maintenance. TPM-task approach focuses on the systematic involvement of all staff in continuous improvement of operational (production) process.

Just-in-time development approach was followed by the development of Total Quality Management. Development of TQM was contributed significant results, both in operational management and in the practice of business management in general. As the process of production management is being developed, a new level of automation of business processes has got a brand new quality. This trend began to popularize the need for training of a new quality (level) – Integrated managers whose duty is to ensure the consistency of individual areas of management.

LEAN MANUFACTURING IN THE CONTEXT OF LEAN PRODUCTION

«Lean Manufacturing» means a systematic influence on the process of creating value for each product - from concept to production, from order to delivery, from raw materials extraction to the moment when the product gets into the hands of end users with a minimum time, cost and losses. Production – this is not the domain of the enterprise. By producing a «Lean Production» is meant that a more general form is the main operating function.

According to, the classification of the business processes of the operating system of the organization, the production is the processing subsystem of the operating system, as the contents of the business process – is the creation of products. Organization's business processes is the primary operating function, which converts the resources received by the company's entry in the final product that represents value to the customer on the exit. The realization of the main operational function determines opportunity, procedures and methods of achieving competent expression and organization competitiveness. It is necessary to build the work with the subsystems of the operating system. In that case, need to talk about working «Lean Production» as «Lean Manufacturing». Management philosophy on the principles of «Lean» is built on the philosophy of morality based on respect for the employee as an individual, involvement in the process of solving the current problems of all employees, creating psychological atmosphere, eliminate fear and providing the ground for the creative potential of man.

