

Scientific & Practical Development of the Algorithm for 5S Method Implementation

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key words

Lean production, 5S implementation, quality and productivity improvement

The relevance of the research is due to the need to find an optimal algorithm for implementing 5S, allowing to minimize the negative aspects of the process and quickly obtain productive results.

The statement of the problem is conditioned by the necessity of effective replication of the positive experience of 5S implementation in order to increase productivity, quality and efficiency of the increased order fulfillment in the defense-industrial complex.

The purpose of the study is to summarize the accumulated experience of implementing 5S in the defense-industrial complex and to form a clear step-by-step algorithm of work, allowing to reduce the number of unavoidable errors and simplify the implementation of process improvements and workspace.

Research methods used in the work: comparative analysis, generalization, experiments, modeling, surveys, observations.

The results of the work are recommendations for the feasibility of implementing 5S, a detailed algorithm for implementation in industry with an indication of the main stages, the rationale for their inclusion in the algorithm and possible options for the passage of the process of implementing 5S in real production.

In conclusions. The paper proposes a new approach to the implementation of the method of workspace organization (5S), which differs from the commonly used practice that the changes are proposed to implement cyclically with limited impact at each stage to achieve the targets.

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