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Evaluation of the influence of change drivers on the factory life cycle

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Abstract

Factories consist of numerous factory elements with individual life cycles. Besides technical aspects such as wear, their actual lifetime is influenced by change drivers from an increasingly dynamic market environment. As a result, factory elements may experience a premature end due to changed requirements before the end of their technical lifetime. The difficulty in factory planning is to understand the behavior of the life cycles in order to make management decisions. Therefore, the goal is to identify change drivers and evaluate their influence on the factory life cycle, while taking into account the technical functionality.

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