

## Time Compression in Engineer-to-Order Industry: A Case Study of a Norwegian Shipbuilding Industry

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**Abstract :** This paper aims to explore the possibility of time compression in Engineer to Order production networks. A case study research method is used in a Norwegian shipbuilding project by implementing a value stream mapping lean tool with total cycle time as a unit of analysis. The analysis resulted in demonstrating the time deviations for the planned tasks in one of the processes in the shipbuilding project. So, authors developed a future state map by removing time wastes from value stream process.

**Keywords :** engineer to order, total cycle time, value stream mapping, shipbuilding

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