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A scenario-based approach for translating strategic perspectives into input variables for production planning and control

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Abstract

Deriving conclusions for manufacturing systems from strategically planned external scenarios can be difficult, as external developments are not usually directly linked to manufacturing systems. The presented approach aims to identify external scenarios and translate those into input variables for manufacturing systems to provide a systematic and transparent starting point for risk management and change processes. Therefore, strategic planning methods become interconnected with a receptor model for the operation of manufacturing systems. The paper introduces an illustrative example.

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