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Models of Quality Indicators for Lean Production Systems

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key words

organizational pathologies, production losses, effectiveness, adaptive model, ESG criteria

The study examines the relationship between organizational dysfunctions, structural mismatches, and operational failures, and their impact on production losses that reduce the effectiveness of the value chain in manufacturing systems. The necessity of developing a mechanism to manage these issues is justified as a key tool for improving the design quality of new production structures and optimizing management systems. Emphasis is placed on minimizing process deviations, bottlenecks, and managerial defects that reduce operational efficiency, as well as ensuring alignment between strategic objectives and their practical implementation. The proposed approach reduces risks of systemic contradictions and lays the foundation for the sustainable development of enterprises in a dynamic market environment.

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