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## Improving Reliability Through the Product's Life Cycle Management

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### Abstract

© 2018 IEEE. Each manufacturer is responsible for his product from the beginning of design and development to disposal. Thus, it is important to understand the interconnection between all stages of the life cycle and to develop management considering this. Production and service systems can be connected by logistics system and through creation of the integrated information space. Authors propose the concept of decision support system to organize the interaction of production, service and logistics with simulation models as the intelligent heart. Simulation model of spare parts supply optimization as well as the simulation model of internal logistics management are considered.

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### Keywords

Decision support system, Diagnostics, Life cycle, Logistics system, Service system, Simulation, Vehicle

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