



Research School for Operations
Management and Logistics

Effect of (re)design decisions on downtime, service logistics costs, and Total Cost of Ownership

Joni Driessen – TU/e

In this project, we look at design decisions for technical systems regarding the system structure, the selection of components and suppliers, building in redundancy, modifications of components of existing systems and so on. Designers tend to look mainly at reliability and production costs of a new system. We will develop quantitative models which show the effect of design choices on the performance of systems when they are installed in the field. With such models, companies are able to make better decisions.