



Research School for Operations
Management and Logistics

Sustainability impact of new technology on after sales service supply chains (SINTAS).

Work package 2

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The larger SINTAS project aims to identify how 3D printing can be deployed, for which types of parts and in which part of the assets' life cycle. My part in this project is to investigate the design of the after sales service supply chain, for instance in terms of where and how much 3D printing capacity to install (facility location) or level of repair analysis when dealing with assemblies in which only a subset of components can be manufactured via 3D printing. Mathematical models will be developed for performance analysis and optimization purposes.