



Research School for Operations
Management and Logistics

Sustainability Impact of New Technology on After sales Service supply chains (SINTAS)

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Additive manufacturing – often referred to as 3D printing – is suspected to have a substantial impact on after sales service supply chains in terms of profit and sustainability (in the near future). Aim of this research is to evaluate the degree of this impact and derive implications for practice. In particular, we want to assess how inventory control systems can benefit from additive manufacturing for different types of spare part in different lifecycle stages. We plan to analyze and validate these benefits through mathematical modelling and simulation.