Matching product flexibility on the integrated portfolio of a product-service-system

Abstract:
This paper deals with the question, how a product-service-systems portfolio could look like and which approaches in product flexibility are already existing that can fulfil the requirements of such a tool for the early planning. The reoccurring possibility of changed circumstances, known as cycles during the innovation process, are translated into criteria, with which the suitability of the flexibility approaches can be checked. The worked out recommendations are combined to a holistic entity for structuring the various granularities of a PSS referring to the Munich Model of Product Concretization. Thus, this paper sets up a basis for facing the challenge of product flexibility already in the early stages of systematically planned product service systems. This supports a higher degree of flexibility for the stakeholders throughout the lifecycle and thus also allows faster responses to market needs.

Stichworte:
PSS-portfolio; Product Flexibility; Innovation Process; Integrated Product Development

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