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Concept Modelling of IPS² - Combination of IPS² objects and IPS² processes

Proceedings of the 2nd International Seminar on IPS², Berlin, Germany. -2009-

Abstract

Industrial Product-Service Systems (IPS²) are characterised by the integration of investment goods and industrial services, providing a suitable performance as a solution for customer specific problems, especially in the field of manufacturing. Therefore, IPS² concept development, which is the focus of this paper, is responsible for the integrated development of the required product and service shares. Starting with a brief description of the IPS² framework, the essential modelling elements and modelling planes are presented. Subsequently IPS² concept modelling is applied on an evaluation example in the field of manufacturing μ -parts. In addition to the methodological presentation the prototype of the modelling software is shown.