

A Holistic Approach for Technical Product Optimization

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Abstract : Holistic methods covering the development process as a whole - e.g. systems engineering - have established themselves in product design. However, technical product optimization, representing improvements in efficiency and/or minimization of loss, usually applies to single components of a system. A holistic approach is being defined based on a hierarchical point of view of systems engineering. This is subsequently presented using the example of an electromechanical flywheel energy storage system for automotive applications.

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