

Web-based Learning

Generative Design Practices Companion (GDP)

CATIA V5R18





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Generative Design Practices Companion

Provide Dassault Systemes recommended implementation and operational practices to leverage CATIA in Industrial Products Industry.

Product overview

The Generative Design Practices Companion provides a list of learning objects & courses designed to support a fast and smooth implementation and deployment of CATIA in the Industrial Products industry.

It includes Dassault Systemes recommended practices that encompass advanced design methodologies such as the skeleton method, advanced Knowledgeware capabilities, thereby allowing the creation of adaptive and flexible templates.

As such, Generative Design Practices Companion explains how to create and get the most benefits from the generative design concept.

Generative Design Practices Companion product covers the following topics:

- ❑ The fundamental concept of design in context with CATIA
- ❑ The skeleton method with the recommended design practices to adaptability and reusability
- ❑ Generative Templates with recommended practices integrating Knowledgeware and the skeleton method create adaptive and flexible templates
- ❑ Industrial study cases supporting the integration of the company know-how in a template
- ❑ Integration with SMARTEAM to benefit from SMARTEAM management capabilities

Product Highlights

- ❑ Capitalize on projects through knowledge capture and reuse
- ❑ Rationalize design to company specific modules made of restricted number of standard parts
- ❑ Incorporate manufacturing, purchasing and maintenance constraints in your design system to control designers tasks
- ❑ Generate and modify designs modules automatically
- ❑ Reduce non-standard part usage through template-based designs
- ❑ Automate Bill of Materials generation
- ❑ Manage complex product development and incorporate industry standards

Product Key Customers Benefits

Recommended Practices of Mechanical Design for a smooth and efficient usage of CATIA in Industrial Products industry.

ABOUT CATIA V5R18

CATIA is Dassault Systemes' PLM solution for digital product definition and simulation.

plm.3ds.com/CATIA

