



AKKA

PASSION FOR TECHNOLOGIES



INCREASING NX PERFORMANCE AND PROCESS CONSISTENCY

EFFICIENT AND FLEXIBLE

ANALYSIS AND DOCUMENTATION

- Process analysis and optimization
- Best-practice know-how
- Demand management
- Preparation of requirement and performance specifications
- Preparation of CAD or method handbooks
- Conducting of method workshops and technical moderation

METHOD DEVELOPMENT

- Basic methods, e.g.
 - Start and process models
 - Skeleton models
 - Linking methods
 - Feature technologies
 - PDM conformity
- Templates, e.g.
 - Concept templates for ensuring compliance with legal requirements, directives and functions
 - Component templates for rapid generation of component geometries
 - FDMU templates for integration with FEM or multi-body simulation
 - System templates for integration of different requirements and disciplines, such as mechanical and electrical
- Programming of CAx applications
 - Development of customer software
 - In-house licensing software
 - Systems and languages: NX Open, C++, C# VBA, VB.Net, CAA CATIA® V5

OUR BENEFITS

AKKA offers you application-oriented optimization of your CAx processes:

- Know-how and demand management: Allows re-use, prevents loss of know-how, shortens search times and avoids errors
- Process analysis and optimization: Identifies weaknesses, enables selective solutions for optimization
- Definition of the data model: Displays all the required data and information and hence allows data provision and exchange in an appropriate manner
- Selection, adaptation and/or development of parametric CAx models and IT tools: Shortens the processing times by the use of the most efficient technologies
- Definition and introduction of optimized CAx working methods: Time saving and quality improvement through standardization and use of the most efficient processes



Automotive



Aerospace



Railway



Energy



Life Sciences



Telecoms



Space



Services and Informations Systems



Defence



Oil and Gas



Consulting



OUR EXPERTISE

INCREASED EFFICIENCY IN RESOLVING COMPLEX TASKS

The challenge for the developer lies in the efficient use of complex CAx software. We as solution partners have therefore specialized in fully exploiting the existing possibilities for increasing efficiency and handling complex tasks. Through our best-practice know-how, our modular concept and intelligent know-how management, we set new standards with respect to ease of use, flexibility and quality. We achieve maximum performance in the application through semi-automated processes.

FLEXIBLE CAx METHOD STEP MODEL WITH A SOUND BASIS

We provide tailor-made methods and templates in different levels of development, from the basic method through to the FDMU template. They ensure optimum use of the modern parametric-associative systems from the beginner through to the CAx expert. With our multi-stage model we give consideration here to the respective integration level of the CAx processes and offer the possibility of integrating these even further, building on a solid basis.

KNOWLEDGE MANAGEMENT – INTELLIGENT ACCESS TO KNOW-HOW

Know-how management in the development means providing know-how transparently in the process. All demands and rules in the development process are structured and the relationships documented. Experience from the ongoing development is taken into consideration. Our know-how management in conjunction with our modular structure of the NX® or CATIA® V5 models allow semi-automation of repetitive work steps with maximum flexibility for your innovations.

KNOWLEDGE TEMPLATES – APPLIED KNOW-HOW IN NX® OR CATIA V5®

Knowledge templates are application and process-oriented CAD models that contain the know-how on the method and on the concept for the development. These design templates are controlled via standardized user prompting. The documented development process and the transparent parameters are valuable instruments for successful conducting of the project. Development time and costs are significantly reduced. The know-how exchange with the process partners is integrated into the knowledge templates and forms an integral part of the knowledge management.

