



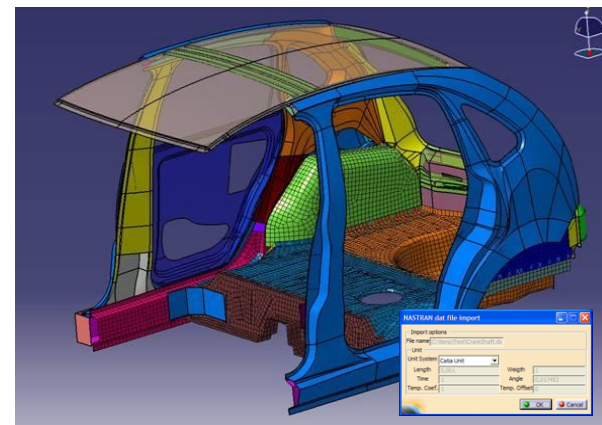
Digital Product Simulation

CAA V5 Adopter

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Integrated advanced analysis and simulation in the design process of industrial products

“Optimizing CAD-CAE integration”



Targets

- Advanced analysts, users of external FEA solvers

Customer Benefits

- Ease of use
- Very flexible input specifications
- Full integration with the CATIA feature modeler and knowledgware even for manual meshing

[\[Click here for Industry Legend\]](#)

CATIA MD2

| | |
|--------|---|
| Prereq | GPS |
| | FMS FMD EST GAS KWE KWA PEO |
| Coreq | |

For the
3 products

FEM Utilities for CATIA

For advanced analysts & engineers

- FEA gateways (NASTRAN Bulk, ANSYS Prep7)
- Semi-automatic meshing by transformations and extrusions
- Manual mesh creation and editing
- Control of the numbering of FEA data

HexaMesh Tools

A set of tools for hexahedron meshing

- A fully automated hexahedron mesher
- Semi-automatic meshing by transformations and extrusions
- Manual mesh creation and editing

CATUNV5

For analysts using the universal IDEAS file format

- Bi-directional FEA interface
- Exports and reads solver results



Simulation

