

HEEDS MDO – Compatible Tools List

(Note: this list is not exhaustive)

Structural FEA

- Abaqus
- ANSYS Workbench
- COMSOL
- LS-DYNA
- Madymo
- MSC.Marc
- MSC.Nastran
- NEi Nastran
- NX Nastran
- Pamcrash
- RADIOSS
- SolidWorks Simulation

Thermal FEA

- Abaqus
- ANSYS Workbench
- COMSOL
- Nastran
- SolidWorks Simulation

Computational Fluid Dynamics

- Abaqus
- ANSYS Workbench
- CFX
- COMSOL
- Fluent
- Flownex
- Flow3D
- Gambit
- Star-CCM+
- Star-CD

CAD

- Abaqus/CAE
- CATIA V5
- CATIA V6
- NX CAD
- Pro/ENGINEER
- SFE CONCEPT
- SolidEdge
- SolidWorks

Molding Simulations

- MoldFlow

1-D Analysis

- AVL ADVISOR
- AVL Cruise
- Excel
- MathCAD
- Matlab
- Simulink

Morphers

- ANSA
- DEP Morpher
- Hypermesh

Pre-Processors

- Abaqus/CAE
- ANSA
- ESI Visual Viewer
- Femap
- HyperMesh
- LS-PrePost
- Mentat
- Patran
- PreSys
- SFE CONCEPT

Multi-body Dynamics (MBD)

- Adams
- Dymola
- Recurdyne

Other

- Digimat
- HFSS
- Maxwell 3D
- Optis
- Romex