

## HEEDS MDO – Compatible Tools List

### Structural FEA

- Abaqus
- ANSYS Workbench
- COMSOL
- Digimat
- LS-DYNA
- Madymo
- Nastran
- Pamcrash
- Radioss
- SolidWorks Simulation

### Thermal FEA

- Abaqus
- ANSYS Workbench
- COMSOL
- Nastran

### Fluid FEA

- Abaqus
- ANSYS Workbench
- CFX
- COMSOL
- Fluent
- Flownex
- Flow3D
- Gambit
- StarCD
- StarCCM+

### CAD

- Abaqus/CAE
- Catia
- NX
- Pro-Engineer
- SFE Concept
- SolidEdge
- SolidWorks

### Molding Simulations

- MoldFlow

### 1-D Analysis

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

### Morphers

- ANSA
- DEP Morpher
- Hypermesh

### Pre-Processors

- Abaqus/CAE
- ANSA
- ESI Visual Viewer
- FEMAP
- HyperMesh
- LS-PrePost
- Patran
- PreSys
- SFE Concept

### Multi-body Dynamics (MBD)

- Adams
- Dymola
- Recurdyne

### Other

- HFSS
- Maxwell 3D
- Optis
- Romex