

Software

Viking Systems utilizes a combination of commercially available software, classification society software, and our own in-house software tools to support our clients. A partial list of our software capabilities is included below:

FE Modeling Software:

- SAGA Software
- MSC Nastran
- MSC Patran
- Maestro

Loads and Motion Prediction Software:

- SAGA Hydro
- DNV Wadam
- BV HydroStar
- ABS Seas
- Maestro

Classification Society Software Packages:

- ABS SafeHull (Phase A & B)
- DNV Nauticus / Sesam
- BV Veristar

Design Software

- Fast Ship (Vessel Lines)
- HecSalv (Hydrostatics)
- GHS (Hydrostatics)
- NavCad (Powering and resistance)
- AutoCAD (Drawings)

Advanced Analysis

- LsDyna (Collision Analysis)
- SIMCOL (Collision Analysis)
- DNV PULS (Stiffened Panel Buckling)
- SAGA (Vibration Analysis)
- DNV STOFAT (Fatigue)
- SAGA (Simplistic and Spectral Fatigue)
- In-House Customizable Spreadsheets for Buckling, Vibration, and Fatigue Analysis

Viking Systems' SAGA software is constantly evolving to meet the unique demands of our clients and their projects. SAGA is developed to work with other commercially available software to enhance their functionality and our capabilities. An example of how SAGA integrates into the DNV Nauticus / Sesam Design Package is shown below:

DNV Software Structural Assessment Classification Process

