

EnginSoft is a premier consulting firm in the field of Simulation Based Engineering Science (SBES) with a global presence. It was founded in 1984, but its founder and initial employees had been working in SBES since the mid '70s. Throughout its long history it has been at the forefront of technological innovation and remains a catalyst for change in the way SBES and CAE technologies in general are applied to solve even the most complex industrial problems with a high degree of reliability.

Today, EnginSoft is comprised of groups of highly qualified engineers, with expertise in a variety of engineering simulation technologies including FEM Analysis and CFD, working in synergic companies across the globe. We are present in Italy, France, Germany, the UK, Turkey and the U.S.A. and have a close partnership with synergic companies located in Greece, Spain, Israel, Portugal, Brazil, Japan and the U.S.A.

EnginSoft works across a broad range of industries that include the automotive, aerospace, defense, energy, civil engineering, consumer goods and biomechanics industries to help them get the most out of existing engineering simulation technologies.



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DATA SHEET

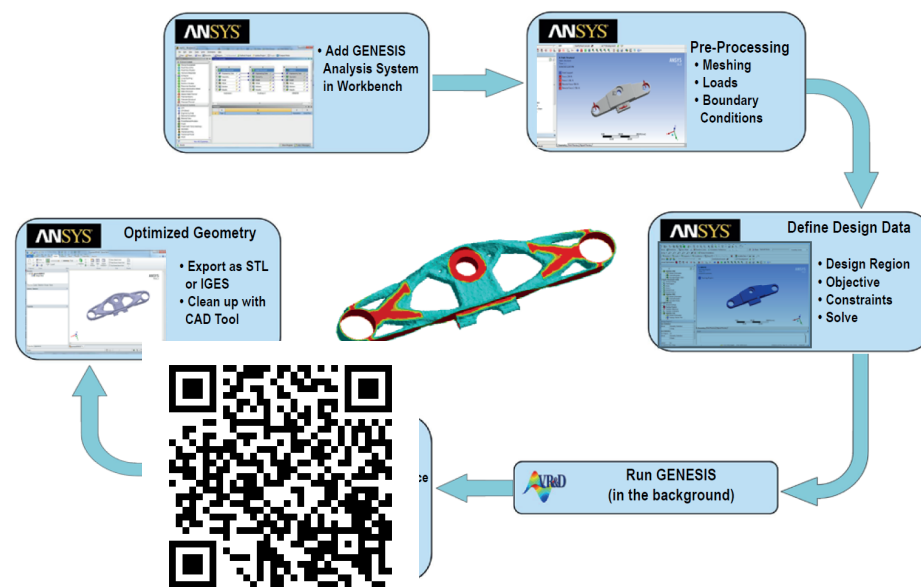


GSAM

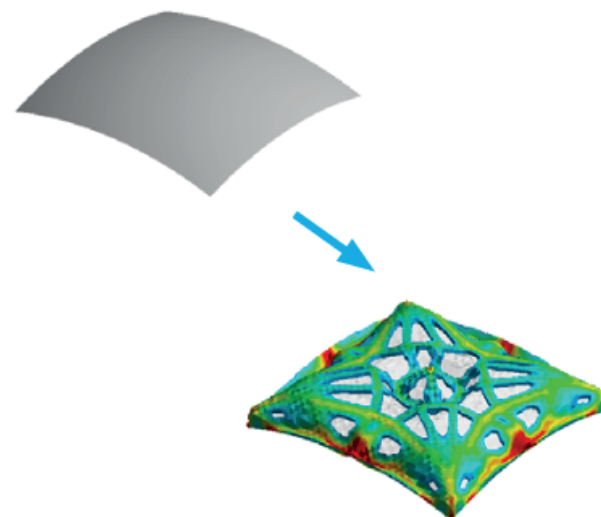
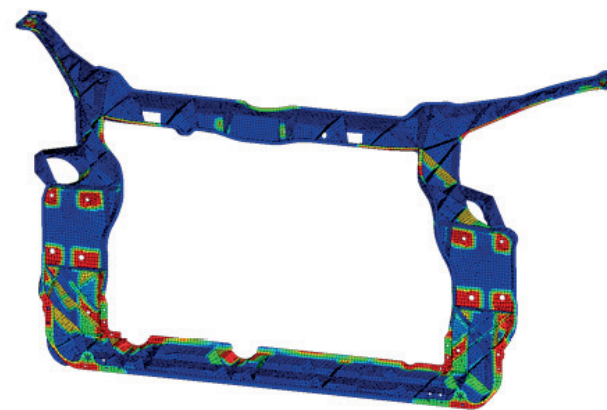
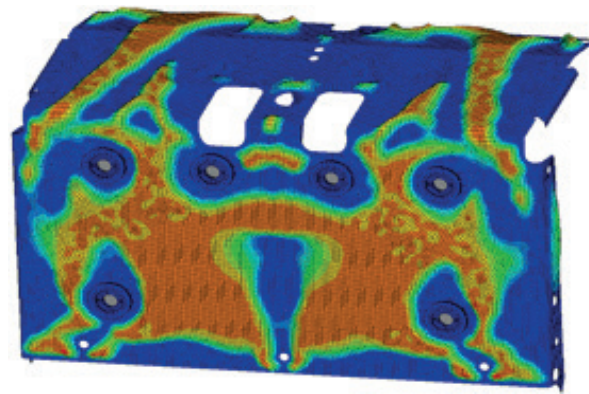
GENESIS Structural Optimization
for ANSYS Mechanical

GENESIS Structural Optimization for ANSYS Mechanical (GSAM) is an integrated extension that adds topology, topography, freeform, sizing and topometry optimization to the ANSYS environment.

Designers benefit by automatically generating innovative designs in a reliable, robust and easy-to-use interface.



GSAM is a product



Combined Topology and Freeform Optimization for a Curved Shell

GENESIS Structural Optimization for ANSYS Mechanical

Benefits and Highlights

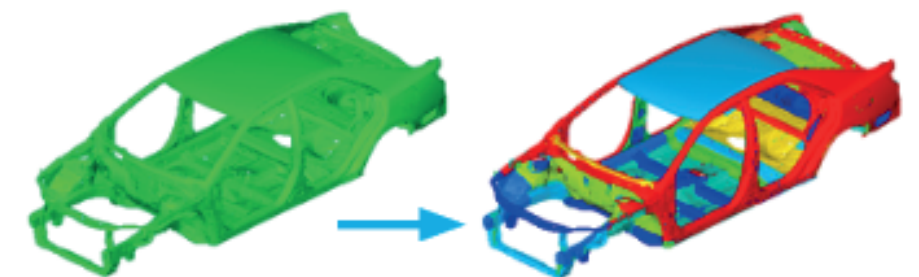
- ✓ Generate Innovative Designs
- ✓ Reduce Cost and Improve Performance
- ✓ Reduce Engineering Time
- ✓ Easily add structural optimization to existing ANSYS workbench workflow
- ✓ Fast and reliable structural optimization
- ✓ Easy and Convenient to post-process optimization results

Structural Optimization Capabilities

- ✓ Topology
- ✓ Topography
- ✓ Freeform
- ✓ Shape Optimization with Domains (access through Design Studio)
- ✓ Sizing
- ✓ Topometry
- ✓ Mix of any of the above

Supported ANSYS Analysis Systems

- ✓ Static Structural (Linear and Nonlinear)
- ✓ Modal
- ✓ Linear Buckling
- ✓ Harmonic
- ✓ Random
- ✓ Transient Structural
- ✓ Multiple analysis systems simultaneously



Normalized original tickness Sizing Optimization for Car Body
Normalized optimized tickness