

## Mechanical Engineering

**Finite Element Analysis (FEA)**

**Stress, Thermal, & Dynamic Analysis**

**CAD/CAE/FEA Systems**

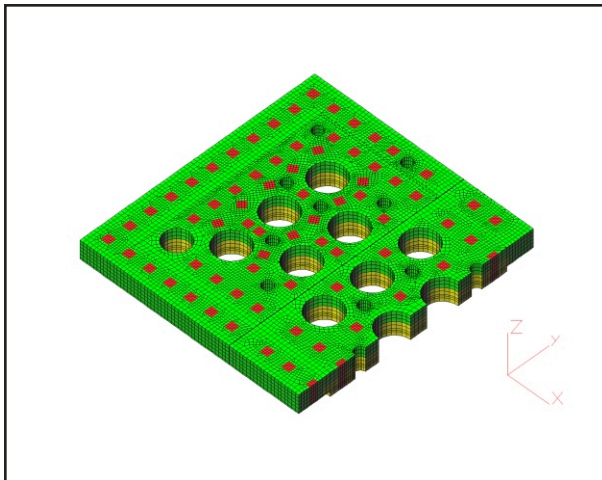
**3D Solid Modeling**

**Mechanical Design**

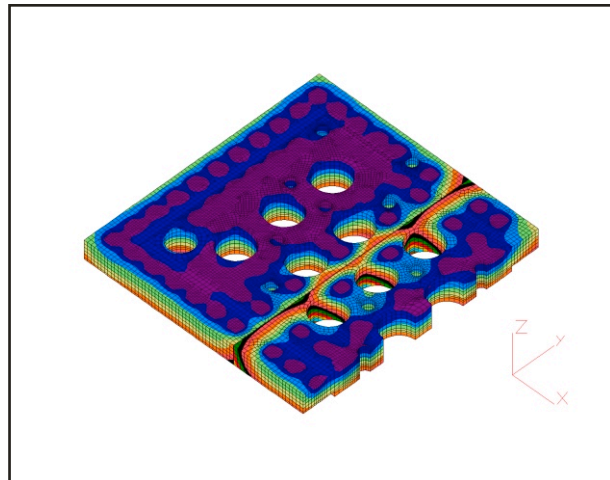
**Technical Software Training**

DeepSoft, Inc. provides stress, thermal, and dynamic analysis of mechanical components using Nastran or Algor FEA codes and FatigueWizrd. The principal's past design & analysis experience includes manufacturing machinery, hoists, missile radomes, submarine systems, oceanographic pressure vessels, nuclear waste melters, ultrasonic cleaners, and custom heat sinks for digital FPGA's & CPU's.

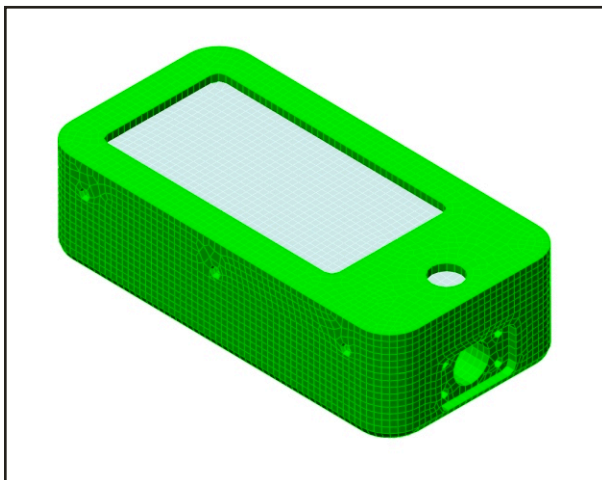
SolidWorks and Inventor Professional are the two 3D solid modelers used for all engineering design and development. Training courses are available for AutoCAD, Inventor, and Algor FEA. DeepSoft, Inc. is recognized as a small business by the SBA and is listed on PRO-Net.



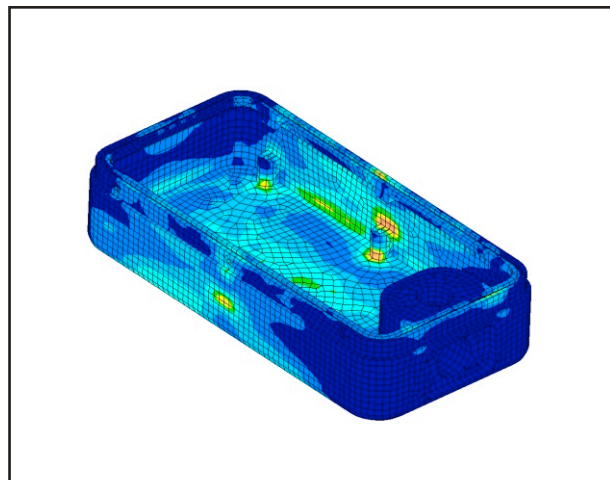
FEA Geometry - Refractory Lid



FEA Displacement - Refractory Lid



FEA Geometry - Instrumentation Housing



FEA von Mises Stress - Instrumentation Housing