



Providing Advanced Engineering Design and Analysis Services to the Manufacturing, Energy, Petro-Chemical, Marine, Offshore and Defence Sectors



Fitness for Service Assessment of API 620 Blow Tanks, Design of New 2205 Duplex Shell & Vibration Measurements & Analysis (80 ft H)



Oil Sands Project: Vibration Response Analysis of Weir Mega Pump Barge



Sequoia Detector Vessel Design Spallation Neutron Source Project Oak Ridge National Laboratories
Sequoia is considered to be one of the largest vacuum chambers ever built in North America



Shock and Random Vibration Response Analysis of Military Vehicle Test System Components



Design & Analysis of Subsea Pig Launchers & Receivers including Launchers & Receivers for South White Rose Extension Project (2014)



Independent Design Review of Pressure Vessels for Satellite Refueling System for Next Generation Canadarm Project



ANSYS Mechanical, ANSYS CFX (CFD)
ANSYS Multiphysics (FSI)



NEI Nastran Expert
NEI Works Expert & Siemens FEMAP



Solidworks & Simulation Premium



Grantec Featured in ANSYS Advantage magazine, Oil & Gas Special Edition distributed at the 2014 Offshore Technology Conference in Houston, TX. See article "Raising the Standards" (now available on the web)

- Grantec services include:**
- Mechanical & Structural Engineering
 - Pressure Vessel Analysis & Design
 - Naval Architecture
 - Metallurgical & Welding Engineering
 - Fitness for Service Assessment
 - Fatigue & Fracture Mechanics
 - Vibration Analysis & Testing
 - Naval Shock & Vibration Analysis
 - Explosion Analysis & Seismic Analysis
 - Ocean Engineering & Offshore Structures
 - Mooring Analysis & Marine Riser Analysis
 - Failure Investigations & Expert Witness
 - Advanced Finite Element Analysis (FEA)
 - Computational Fluid Dynamics (CFD)
 - Fluid Structure Interaction (FSI)
 - 3D Modeling & Drafting Services