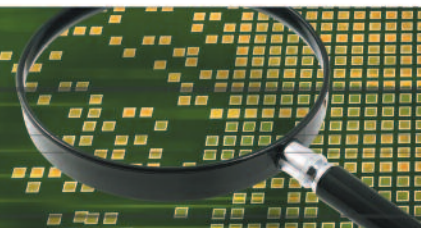
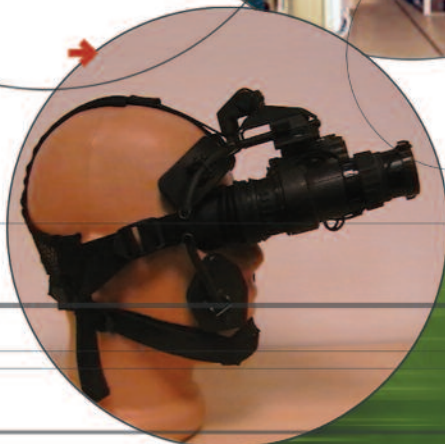
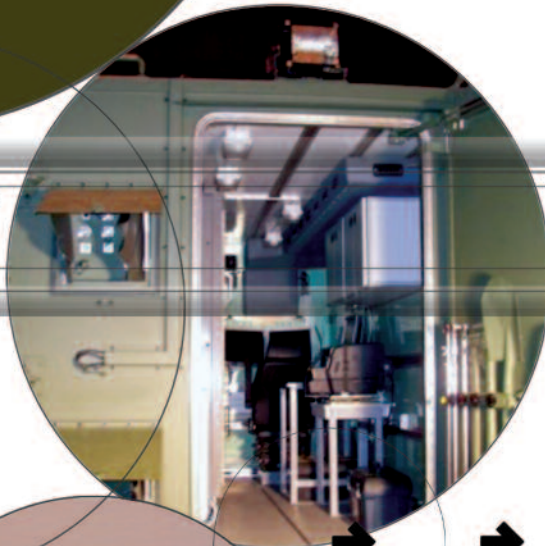
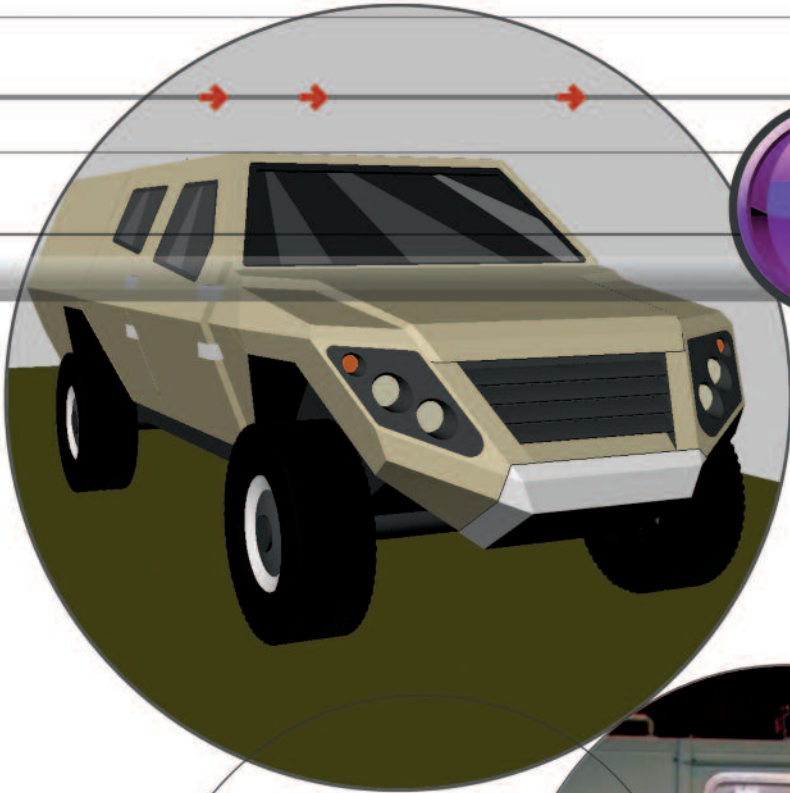
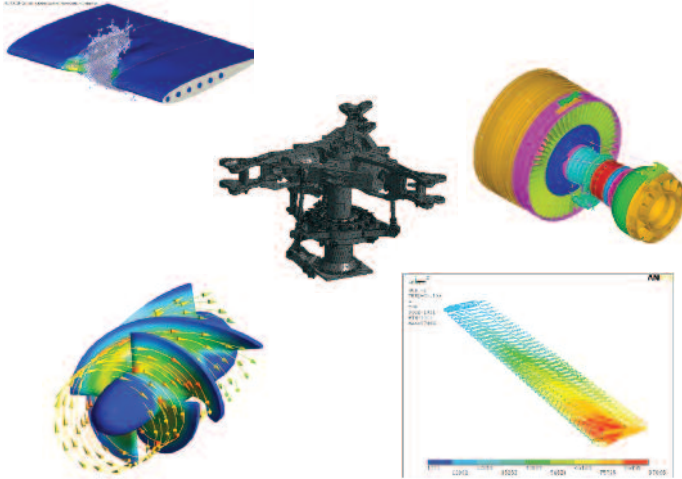




R&D/ ENGINEERING

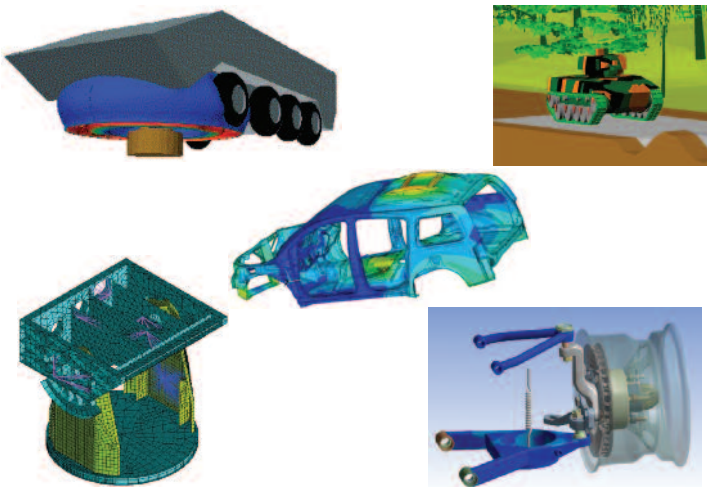




FIGES provides advanced engineering services, consultancy, training and related software for the following areas for aerospace, land and naval platform applications and associated subsystems.

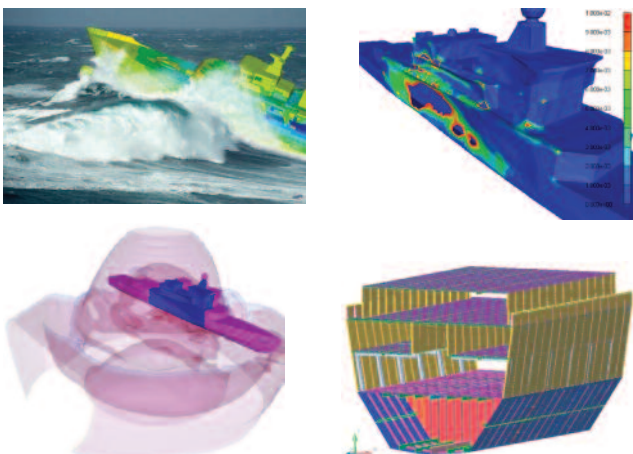
Aeronautical and Space Platforms:

- FEA (Finite Element Analysis) applications in structural integrity, strength of materials and structural stability, fatigue, vibration, acoustic, crash, blasting, ballistic and shock calculations,
- CFD (Computational Fluid Dynamics) applications in aerodynamic, aeroelastic applications and flutter calculations,
- MBD (Multi Body Dynamics) applications, such as flap motion and landing gear analysis,
- Electromagnetic shielding and heat transfer calculations.



Land Platforms:

- FEA (Finite Element Analysis) applications in structural integrity, strength of materials and structural stability, fatigue, vibration, acoustic, crash, roll-over, blasting, covering charge, ballistic and shock applications,
- CFD (Computational Fluid Dynamics) applications in propulsion systems analyses, propulsion system cooling analyses, under-hood analyses, exhaust system design, fog distribution and HVAC simulations,
- MBD (Multi Body Dynamics) applications to simulate and analyze vehicle motions on virtual roads and environment.



Naval Platforms:

- FEA (Finite Element Analysis) applications in structural integrity, strength of materials and structural stability, fatigue, vibration, acoustic, blasting, ballistic and shock calculations,
- CFD (Computational Fluid Dynamics) applications in ship design optimization, rudder, propeller, flap analyses, exhaust system design, fog distribution and HVAC simulations,
- Electromagnetic shielding and heat transfer calculations.

Armoured Service Vehicle

The concept bus is the first ballistic test prototype of a new bus family that ranges from 7–12m in length and personnel capacity of 10–40 people. The concept vehicle is suited for mass transportation rather than as a military armoured personnel carrier or combat vehicle.



GEKKO

The GEKKO Multi-purpose Composite Vehicle, the first phase of which will be completed in the first quarter of 2010, will include full body lightweight composite armour. The vehicle is expected to make an impact on the market due to its agility under asymmetric threats, harsh environmental conditions and with its add-on armours for higher threat levels, which are planned to be installed in the second phase.

