

TRANSFORM DEVELOPMENTS WITH VIRTUAL PROTOTYPES

LOWER COSTS

Development, testing & certification

DEVELOPMENT EFFICIENCY

Shorter go-to-market time

INNOVATIVE SOLUTION

Improved safety, de-icing scenarios

Electrification & autonomous systems

DESIGN OPTIMIZATION

Reduction of labour & material requirements

Drag & weight reduction

Reduced emissions & fuel efficiency

NVH and thermal comfort analysis

MATERIAL DESIGN

Advanced material solutions including composites

COMPONENT ANALYSIS

Hydraulic & break systems

INDUSTRIAL EXPERIENCES | PROJECT EXAMPLES

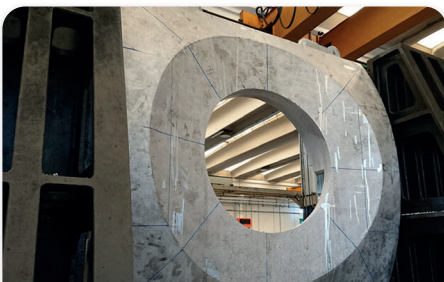


photo source: axiomspace.com

SERVICE MODULE DEVELOPMENT

Multi-objective structural topological optimization

Mass minimization, lifetime maximization



photo source: axiomspace.com

DOCKING ADAPTOR TUNNEL

Composite closeout panel feasibility study

Lightweight composite redesign of metal parts

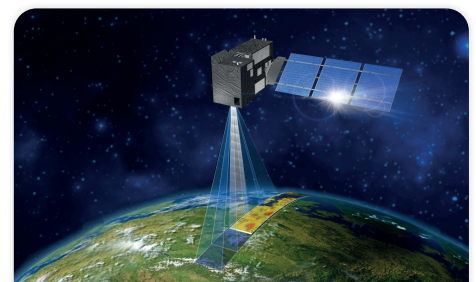


photo source: thalesalieniaspace.com

ACOUSTIC ANALYSES FOR SATELLITE EQUIPMENT

Launch-related acoustic loads

Acoustic random response analysis

Power Spectral Density (PSD) profile

Stress analyses in frequency range