

WIRE HARNESS DESIGN

Aerospace

Mechanical  
Engineering



Electrical  
Engineering



## NEXT-GENERATION SPACEPLANE HARNESS DESIGN AND BUILD SUPPORT

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### APPROACH

- Use model-based definition (MBD) to model wire harnesses and integrate the wire harness models into the full vehicle model
- Manage drawing production, procurement, and test procedures
- Support a variety of integration-related activities from a design, modeling, and building perspective

### RESULTS

- Turned system- and subsystem-level requirements into harness designs for full-vehicle
- Very satisfied client—included ALTEN Technology on an internal committee comprised of management and SMEs to help drive changes in processes for future vehicle development on harness design, build, test, and integration

### KEY TOOLS & TECHNOLOGIES

- NX
- Capital Integration

**ALTEN TECHNOLOGY**