

WIRE HARNESS DESIGN

Aerospace

Mechanical
Engineering



Electrical
Engineering



NEXT-GENERATION SPACEPLANE HARNESS DESIGN AND BUILD SUPPORT

APPROACH

- Utilize 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 build perspective

RESULTS

- Turned system- and subsystem-level requirements into harness designs for full vehicle
- Very satisfied client—including 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 TECHNOLOGIES

- NX
- Capital Integration