

COMMERCIAL JET MANUFACTURER

Commercial Aviation

Electrical
Engineering



Mechanical
Engineering



BUSINESS JET WIRE HARNESS DESIGN ENGINEERING SUPPORT

APPROACH

- Understand electrical requirements of the aircraft or component and gather specifications
- Create plans for the wire harness layout
- Develop detailed schematics and wiring diagrams
- Select appropriate components
- Design physical routing of wires, ensuring integration within the product
- Create prototypes or conduct simulations to test functionality and durability of wire harness

RESULTS

- Optimized wire harness designs that meet all electrical requirements while considering cost, ease of assembly, and manufacturability
- Simplified manufacturing process and reduced errors with clear schematics
- Improved reliability and durability of wire harness
- Seamlessly integrated designs with other components and systems
- Optimized cost efficiency stemming from wire harness design

KEY TOOLS & TECHNOLOGIES

- Microsoft Office Tools
- CATIA
- AS9100/ISO 9001
- ERP (CAMPS Shop, Falcon Trac, TrackStar)

ALTEN TECHNOLOGY