# STREAMLINED INSTALLATION,
## SEAMLESS SUPPORT

**Reduce aircraft downtime –
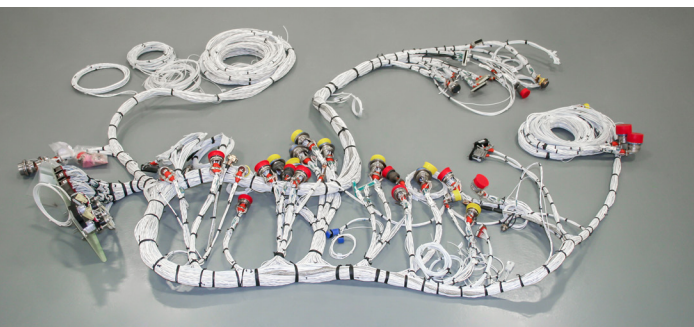and your avionics installation cost**

**Collins Aerospace**

# THE PRODUCTS AND SERVICE FOR A SMOOTH INSTALLATION

The Collins Aerospace Interconnect and Integration Solutions segment can support any of your aircraft installations with fully comprehensive Installation/A-Kit and avionic and mission support products. Collins can assist your system integration from prototype through full production with our MIL-STD and FAA certified installation/A-Kits. No two customers or their programs are alike and why we take a highly collaborative approach to meet your specific needs for a successful system integration. Our extensive capabilities and experience will save your installation both time and money.
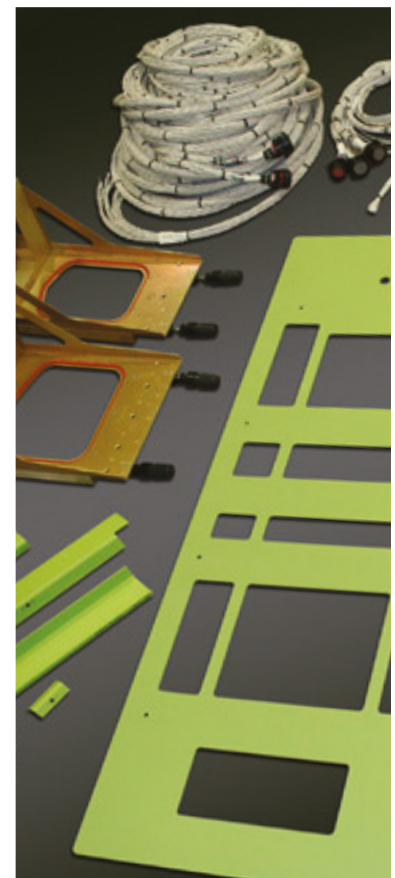


## AIRCRAFT A-KITS PROGRAM SUPPORT

- We provide program management throughout the life of your program. Our design and manufacturing processes enable you to streamline your supply chain.

- A-Kit design and engineering

- Obtain all electrical and mechanical components from one vendor

- Complete integration capabilities – from start to finish

- Unsurpassed technical expertise

- Approved vendor for numerous original equipment manufacturers (OEMs) and system integrators

- Significant military and commercial aircraft experience

## INTEGRATED KITS AND WIRE HARNESSING

- Installation design engineering and STCs

- Laser-marked wire harnesses (single ended or fully integrated)

- Integrated trays, junction boxes, lighted cockpit panels, pallet and honeycomb shelves

- Custom kitting to meet installation needs

- Composite, Fiber, Ethernet, data bus, coaxial and specialty cable assemblies, including high definition audio/video cables

- Custom metal fabrication, including doublers, brackets, plates, racks and instrument panels

- Fully automated Cirris testing

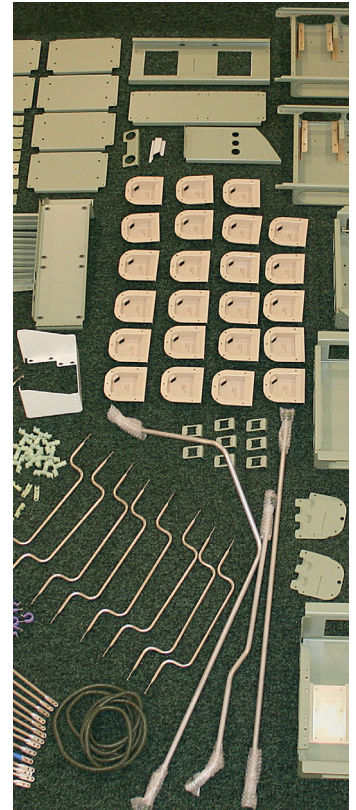- Custom layouts, harness jigs and 3D mock-ups

## RADIO FREQUENCY COAXIAL AND SPECIALTY CABLES

- 50, 75, 100 and 125 Ohm, aircraft-grade polytetra-fluoroethylene (PTFE), polyethylene (PE) or fluorinated ethylene propylene (FEP)

- Resistant to Skydrol and hydraulic fluids

- MIL-SPEC, FAR, DO-160, RTCA, FAA and OEM approvals

- Testing up to 20 GHz for attenuation, phase angle, VSWR, time delay

- Fully tested and certified assemblies

- High-definition and digital video

## EQUIPMENT TRAYS AND METAL FABRICATION

- ARINC 404/600, military styles and custom designs

- ARINC trays qualified to RTCA-DO-160G for vibration, shock and crash safety

- Military trays qualified to MIL-STD-810, methods 514.5 and 516.5

- Custom and ruggedized mounting tray designs

- Individual component sales, rear guide pins and front hold-down clamps

- Junction box and cockpit panel design and assembly

## OTHER SYSTEM EXPERIENCE

We have extensive experience with both military and commercial aircraft and offer complete, ready-to-go solutions for many avionics systems.

**COMMUNICATION**    Iridium®/Inmarsat SATCOM; ACARS/VDLM2;  CPDLC; HFDL; HF/UHF; VHF; and ICS

**NAVIGATION**    RNP/RNAV; FM immunity; FMS; GPS; EFB; autopilot; AHRS; DME; ADC; INU; RAD ALT; and TACAN

**SURVEILLANCE**    ADS-B; MODE S/IFF; ELS/EHS

**OTHER**    ELT; WXR; EFIS/MFD; FDR/CVR; EPCS; HUD/EVS; SIL; IFE/cabin connectivity; TCAS; EGPWS/TAWS; RAAS; DFDAU; FDAMS; ADF; EIDS; PFD; and SELCAL

## VALUE-ADDED SERVICES

- Fabrication drawing review and development

- Harness integration with mock-ups

- Custom kitting, packaging, labeling and installation documents

- Alternate/obsolete part evaluation

- Product substantiation

- Automated Cirris testing

- 24-hour aircraft on ground (AOG) support

- Full FAIs

- 100-percent traceability

- MIL-SPEC, FAR, DFARS, PMA, FAA and OEM approvals

- DPAS experience

- DDTC/ITAR registered

**Collins Aerospace**

**To learn more, go to**
collinsaerospace.com/interconnectandintegrationsolutions

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