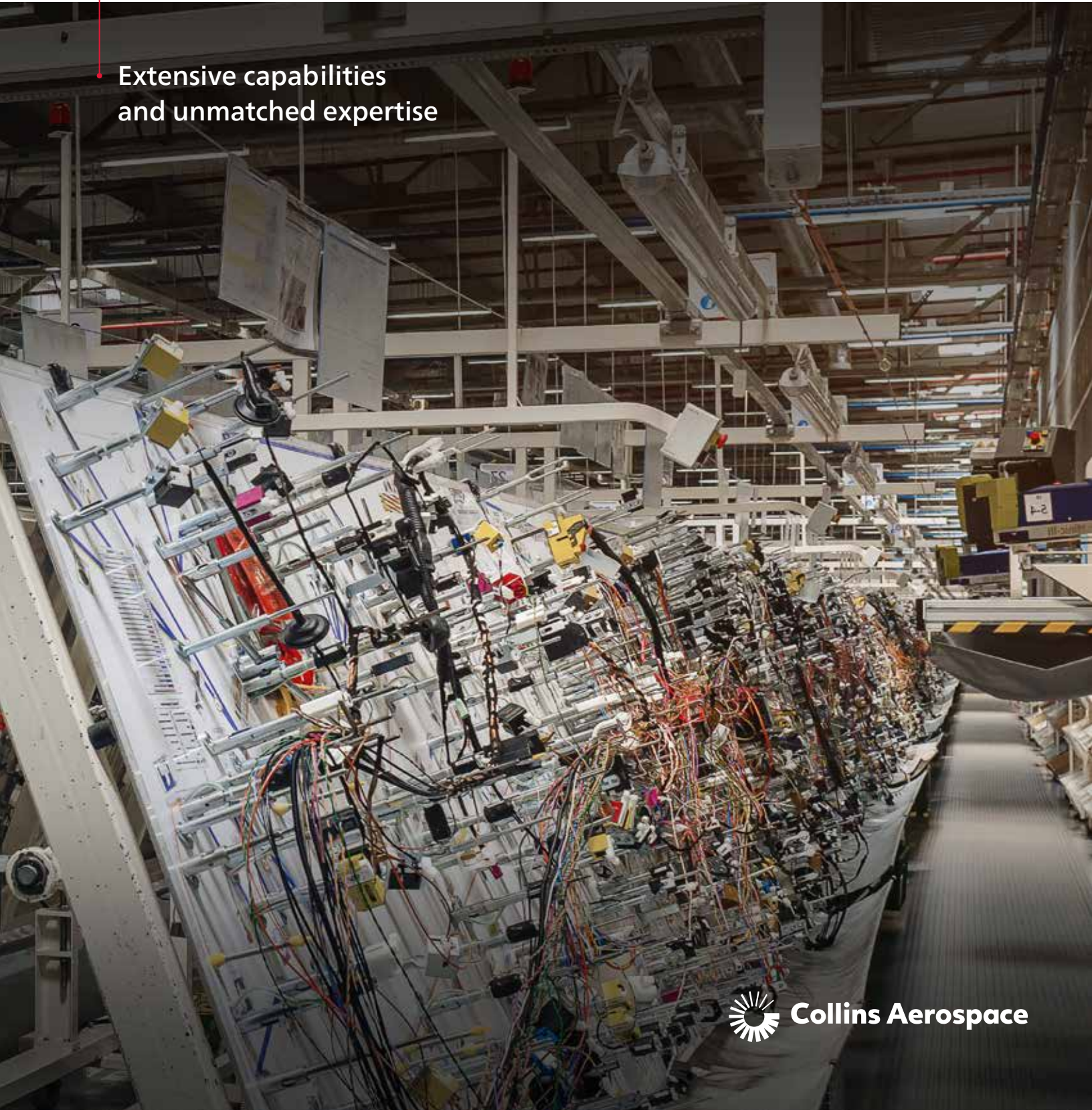


# ELECTRICAL AND MECHANICAL INTERCONNECT DESIGN AND FABRICATION

Extensive capabilities  
and unmatched expertise



Collins Aerospace





## EXPERIENCE, FLEXIBILITY AND CUSTOM DESIGN

As aerospace technologies advance, commercial and defense applications grow more complex. At Collins Aerospace, we remain committed to delivering innovative solutions that meet our customers' unique requirements. Part of that commitment is knowing when and how to expand our own capabilities to better serve the evolving needs of our customers.

Collins Interconnect and Integration Solutions (CIIS) brings the expertise and breadth of products from our Woven Electronics and Wired Systems teams into one, industry-defining electrical design and fabrication center of excellence.

Combining the strengths of these teams allows us to offer the highest level of design expertise and fabrication solutions across every sector we serve. CIIS capabilities support electrical, mechanical equipment trays and mission racks, as well as the optimal wiring assembly needs for cockpits, cabins and munitions.

Even the most advanced systems depend on reliable wiring and cable assemblies. Collins' unmatched expertise offers nearly unlimited configurations, customized engineering solutions, space and weight savings, and paths to aircraft certification and supplemental type certifications (STCs).

# WE SERVE A BROAD RANGE OF CUSTOMERS

MILITARY  
COMMERCIAL  
FIXED-WING  
ROTARY-WING  
RADAR SYSTEMS  
MUNITIONS SYSTEMS

## COLLINS AEROSPACE INTERCONNECT AND INTEGRATION SOLUTIONS CUSTOMERS:

- Bell
- Boeing
- Bombardier
- L3-Harris
- Lockheed Martin
- Major Airlines
- Northrop Grumman
- SpaceX
- Viasat
- Viking

## PROVEN EXPERTISE YOU CAN TRUST

Customers who need unique and complex wire harnessing or electronic assembly have an option that can deliver world-class engineering and production quality with exceptional cost efficiencies.

Collins Aerospace's Interconnect and Integration Solutions, brings the best of everything together in locations across the globe that provide skilled workforces that can take customer technical requirements and meet even the highest-volume production demands on time and on budget.

See what Collins Aerospace can do for your wire harnessing and electronic assembly needs.



# THE RIGHT COMBINATION OF PRODUCTS AND SERVICES



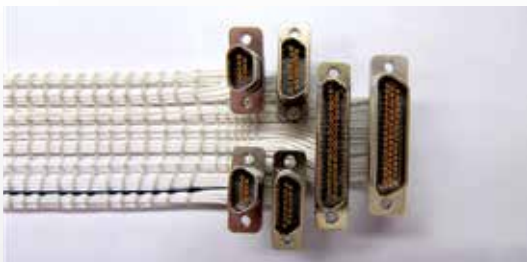
## HARNESSES

Whether you need wire harnessing for individual avionics equipment or across your complete system, our engineers, technicians and support staff work with you to develop a custom solution that meets all FAA, Military or OEM standards.



## RF CABLES

Our cables and connectors deliver uncompromising electrical performance for your avionics and data systems. With low signal loss, lightweight and flexible designs, our cables and connectors interface with a variety of applications on board your aircraft.



## SPECIALTY CABLES

With integrated, single cable designs, our specialty cables eliminate the need to purchase multiple components or route separate cables. From simple to complex systems, we meet your need for fiber optic, woven cables, data bus, Ethernet, molded and controlled impedance cables.

## Key benefits

- Space and weight savings
- Affordable installation cost
- Fast, responsive service
- OEM and aftermarket





## EQUIPMENT TRAYS

We specialize in standard ARINC 404 and 600 mounting trays, as well as customized tray and mount solutions. Our trays are available individually or as part of an avionics support package. Collins offers equipment trays and racks to accommodate your system requirements.



## ELECTRO-MECHANICAL ASSEMBLIES

The right size assembly is essential for properly installing avionics and other systems. Our comprehensive approach includes studying existing configurations and researching your equipment to ensure optimal layouts for equipment, display and Electro-Mechanical assemblies.



## COCKPIT PANELS AND MISSION RACKS

Collins has the expertise to meet your cockpit panel and mission rack installation needs – big or small. We leverage robust company resources and processes to provide high quality and streamlined design, testing, fabrication and product qualification to meet the needs of your flight and mission control panel requirements.



## DESIGN

Collins in-house engineering support and specialists offer customized integration and design for new products, custom weaving, connectors and backshells. Take advantage of our Computer Aided Design, additive manufacturing for prototypes and our smooth, timely, step-by-step approach to design approval projects for aircraft upgrades, customizable electrical and mechanical solutions, aircraft installation design engineering and FAA STC's or MIL compliance.



To learn more, go

[collinsaerospace.com/interconnectandintegrationsolutions](https://collinsaerospace.com/interconnectandintegrationsolutions)

**INTERCONNECT AND  
INTEGRATION SOLUTIONS**

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