

CYIENT

DESIGNING THE AIR CABIN INTERIORS OF TOMORROW

How we deliver innovative and cost-effective solutions for interiors

Aerospace at Cyient

Cyient delivers aerospace engineering solutions from concept to qualification, with system-level ownership for engines, avionics systems, structures, aero systems and interiors. For more than 16 years, we are engaged in providing product development engineering solutions, integrated product engineering processes, engineering design solutions, and complete test engineering life cycle supports for sub-systems in aero interiors, avionics flight management systems, aero engines and aerodynamic aerostructures. Additionally, we are also capable of managing the aftermarket value streams by offering solutions such as repair engineering, reliability engineering, technical documentation and performance monitoring on behalf of original equipment manufacturers worldwide.

With over 32+ million hours of aero engineering experience, our collaborative approach combines domain expertise, process and design automation with program management skills to deliver large system-level designs to our clients on-time and within budgets.

World class interior solutions

Interior solutions developed by Cyient exceeds the demanding expectations of the next-generation traveler while making their journey memorable. Cyient's interior solutions also assists its clients to resolve several interior design challenges. Cyient possesses an extensive experience in design and development of floor-to-floor cabin structures; monuments such as galleys, overhead stowage, lavatory, business and economy seats; cabin refurbishment engineering and custom monuments for VIP seats.

Service offerings

Cyient offers the following interiors services to its clients:

- Mechanical design
 - Concept design (3D Models - Shell, assembly & installation)
 - Design for manufacturing (DFM)
 - General arrangement drawings and drawing checks
 - Creation of 3D Models
 - Creation of 2D drawings
 - Installation drawings
- Generation of static justification reports
 - Static-stress calculation
 - Vibration analysis
 - Finite element analysis
 - DER compliance report
- Electrical schematics & harness routing
- Technical publications
 - Creation and revision of component maintenance manuals
 - Technical authoring and technical illustrations
- Manufacturing engineering
- Tool design

Areas of expertise

Leveraging our extensive experience across all areas of the aircraft cabin, Cyient is capable of offering state of the art customized design solutions to its clients along with engineering the entire range of interior products, from full galley complex to partitions and dividers. Cyient's core competency lies in designing aesthetic and light-weight interiors for commercial and business jets.

Cyient specializes in providing engineering solutions for various cabin interior components such as ducts, brackets, ceilings, sidewalls, door and door frame, overhead stowage, crew rest compartments, lavatories, etc.



Areas of engagement

Cyient's expertise across all platforms within the aero interiors as described below:

Seat

- Back shell of power seat
- Credenza shell assembly
- Kibitzer seat assembly
- Divans/Tables
- Ottoman Assembly

Cabin Structures

- Bracketing/Ducting
- Sidewall/Ceiling
- Overhead bin
- Bulkhead
- Door and door frame
- Crew rest compartment

Monuments

- Galleys
- Stowages
- Vanity
- Wardrobe
- Lavatories
- Foot wells
- Interior design layout
- Dog House
- Baby Bassinets
- Bar Units

How we have helped our clients

- Partnering and supporting in reducing program schedules to meet customer time lines
- Providing alternative suggestions to improve legacy work
- Ramping up the required resources in short times to meet customer requirement
- Function as an extended engineering arm of the customer
- Experienced in offering cost, weight, and part count optimization

Key Highlights

- Hands on experience in design of commercial, business and VIP jet interiors
- Over 10 years of experience in providing aero interior solutions
- Reduced part count by offering innovative blanket holding mechanism
- Manufacturing transitioning through local supplier partnerships

10+

Years experience in aero interior solutions

32+

Million hours of aero engineering experience

About Cyient

Cyient (Estd: 1991, NSE: CYIENT) provides engineering, manufacturing, geospatial, network and operations management services to global industry leaders. We leverage the power of digital technology and advanced analytics capabilities, along with our domain knowledge and technical expertise, to help our clients solve complex business problems. As a Design-Build-Maintain partner that takes solution ownership across the value chain, we empower our clients to focus on their core, innovate, and stay ahead of the curve.

Relationships lie at the heart of how we work. We partner with organizations in ways that best suit their culture and requirements. With nearly 14,000 employees in 21 countries, we combine global delivery with proximity to our clients, functioning as their extended team. Our industry focus spans aerospace and defense, medical, telecommunications, rail transportation, semiconductor, utilities, industrial, energy and natural resources.

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