

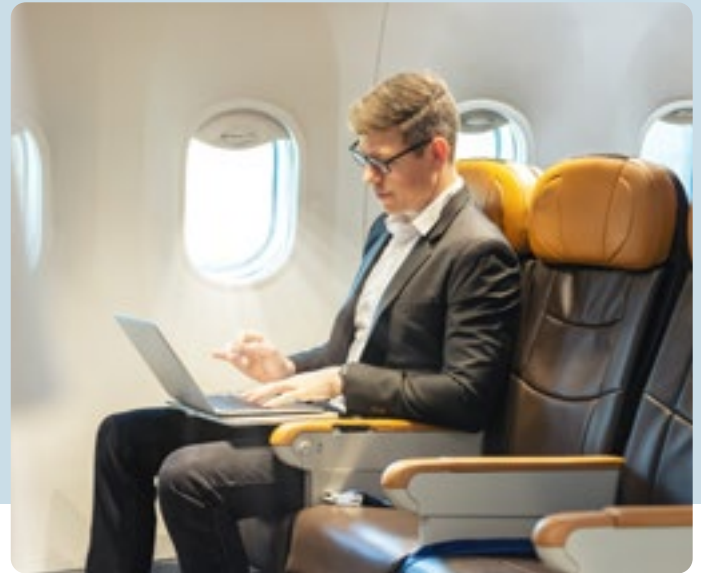
**HCLTech**

# Supercharging the Cabin of the future

Cabin Engineering Services



As the aviation industry strives to elevate passenger experience and confidence, airlines, airports, and industry stakeholders face the task of transforming flight cabins to meet evolving customer demands, generate innovative revenue streams, and embrace seamless digital connectivity. Cabin designing and engineering plays a pivotal role in the success of aircraft operations, focusing on optimizing operational efficiency. Thoughtfully designed cabins contribute to passenger comfort, safety, and overall satisfaction, fostering loyalty and positive brand perception.



## Revamping in-flight journeys

with cutting-edge technology and expertise

With extensive experience spanning nearly 30+ years, we at HCLTech have earned the reputation of being a trusted services provider. Our experience in major aircraft programs globally enables us to deliver exceptional results. From cabin systems to monuments, and in-flight Entertainment and connectivity, our dedicated team is committed to maximizing the capabilities of an aircraft.

## What sets us apart?



20+ years of partnerships



Next-gen cabin CoE



Dedicated labs for our customers



## Trailblazing new frontiers in cabin interiors



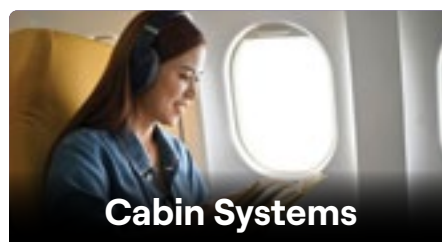
### Monuments

#### How?

- End-to-end ownership, from design to certification to installation completions
- Repair Engineering

#### Where?

- Galleys
- Lavatories
- Diwan and Cabinets
- Electrical and Mechanical Installation



### Cabin Systems

#### How?

- System Requirement Development
- Testing Certification Support

#### Where?

- Water and Waste
- Oxygen
- Environment Control
- Seat Control System
- Lighting
- Cabin Management Systems



### IFE & Connectivity

#### How?

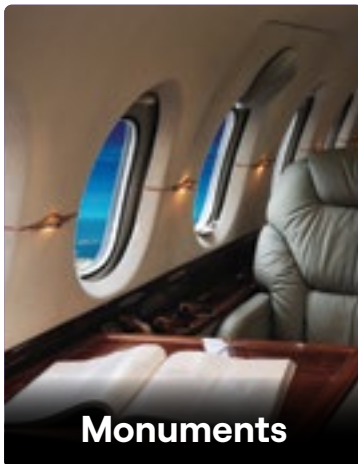
- System Requirement Architecture
- Development Integration
- System Testing Field Support

#### Where?

- IFE
- Network Systems
- Avionics Gateway
- Ground Connectivity
- Proprietary Products
- SATCOM



# Success stories cementing our expertise



**Monuments**

## Functional carveout for a business jet OEM

### Scope/Problem Statement

The customer was looking for a partner, capable of taking ownership of monument design with signatory responsibilities, while also striving to achieve higher operational efficiency with cost and overhead reduction

### Solution

We took complete ownership of the monument engineering function from the customer, leveraging a catalogue-based pricing model.

### Business impact

- Over 80% offshore and less than 20% nearshore
- Substantial savings and better control without compromising efficiency
- Predictable process minimizing the risk of transition



**Cabin Systems**

## Design and performance validation for a tier 1 aerospace supplier

### Scope/Problem Statement

The customer needed support for product development design and certification, aiming to restructure their cabin class offerings and introduce innovative cabin solutions

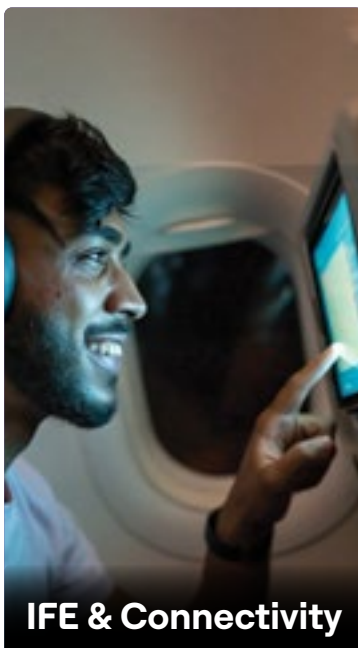
### Solution

We delivered the specified reports and ensured that customer approval/justification was obtained for any deviations, anomalies, or abnormalities encountered.

- Qualification Test Procedure (QTP) & Qualification Plan (QP)
- Failure Investigation (Failure Analysis Report)
- Post Processing (Qualification Test Report)

### Business impact

- Created 300+ QTP/ QTRs at one 3rd of NRE cost
- 30% reduction in time by placing automated templates and schematics and established checklists



**IFE & Connectivity**

## Elevated experience with innovative in-flight entertainment unit for a tier 1 aerospace supplier

### Scope/Problem Statement

The customer was in need of comprehensive product development support for the media player unit, covering hardware, software, mechanical design, compliance testing, POC, POD, POM build, and program management

### Solution

We successfully implemented Design for Cost (DFC) and Design for Low Power (DFLP) strategies.

- Ability to accept and play input from passenger mobile devices
- Hardware design to support different display sizes and seat mount and control panel
- Easy to install and repair the unit with innovative QRM (Quick Release Mechanism)

### Business impact

- Accelerated product development (60% lesser time)
- Market share gain
- Improved usability

# HCLTech | Supercharging Progress™

HCLTech is a global technology company, home to 225,900+ people across 60 countries, delivering industry-leading capabilities centered around digital, engineering and cloud, powered by a broad portfolio of technology services and products. We work with clients across all major verticals, providing industry solutions for Financial Services, Manufacturing, Life Sciences and Healthcare, Technology and Services, Telecom and Media, Retail and CPG, and Public Services. Consolidated revenues as of 12 months ending March 2023 totaled \$12.6 billion. To learn how we can supercharge progress for you, visit [hcltech.com](https://hcltech.com)

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