A One-Stop Shop

Heath Tecna is a foremost supplier of nose-to-tail interiors and provider of premium services for the passenger aircraft industry. We manufacture products and configure equipment for the flight deck, passenger cabin, and cargo bay.

In addition, we operate a Part 145 repair station, as well as an AS9120 approved spares distribution center to support our customers’ aftermarket needs.

Products & Services
Our offerings are available for retrofit, BFE line-fit, and OEM SFE markets. We provide goods such as cabin furnishings, interior architectures, support structures, and system components. Furthermore we offer services including integration and certification, build-to-print manufacturing, mock-up construction, DER witnessed flammability testing, PMA parts development, technical publications authoring, and equipment repair.

Our Experience
Since 1951, we have supplied certified interior products on more than 6,000 aircraft for over 400 airlines and OEMs. We’ve also been awarded more than 400 STCs by the FAA, including amendments. Regarding repair station work, on an annual basis, we repair, refurbish, or overhaul an average of 5000 ATA Chapter 25 components.
A Zodiac Aerospace Company: Heath Tecna operates out of a 245,000 sq. ft. facility located in beautiful Bellingham, WA. In September of 2011, the company was acquired by Zodiac Aerospace and welcomed into their Cabin Interiors Segment to strengthen the group's portfolio of products and services.

Industry Approvals
Our production activities are certified to AS9100 Revision B and ISO 9001:2008. Our flammability laboratory is certified by the FAA and we are registered with the airline community under the CASE1A Standard. We also hold a FAA Production Certificate, which allows multiple kit shipment prior to STC issuance. This enables our airline customers to embody their fleets, without a PMA break, throughout a reconfiguration program.

Activities performed by our Aftermarket Services group are certified to AS9110 and AS9120. The Part 145 repair station is FAA approved.
Key manufacturing equipment: freezer, cure ovens, horizontal core saw, 750 ton presses, 5 axis routers, 3 axis mills, vacuum formers, enclosed paint booths, spray booths.
Measuring Success
by ASSURING QUALITY

In 2011 we invested 45,433 hours educating employees about our quality system and lean techniques.
Cabin Furnishings

Over the years, cabin interiors have become more sophisticated, requiring specialty furnishings to support the contemporary needs of airlines and passengers. Complex space planning, ergonomics, multifunctional requirements, organic design forms, weight issues, and stringent certification rules pose serious challenges for any interior equipment supplier.

To better meet the requirements of modern interior design for aircraft, we have a dedicated team known as Cabin Furnishings, who design and build equipment specifically to outfit the cabin space. Monuments, furniture, and cabin dividers are all core specialties for the group.

Beyond the advantages that come with specialization, airline customers also benefit from the fact that Heath Tecna is a preferred BFE supplier to both Boeing and Airbus. This allows us to partner with airlines buying new planes, who want to differentiate their brand by offering passengers a unique environment to fly in.

Monuments & Furniture

We have produced a large variety of monument and furniture products over the years and we specialize in manufacturing custom units with many unique features. We’ve supplied customers with coat closets, VCCs, entertainment consoles, crew work stations, lavatories,
galleys, bar units, sofas, supplementary seat furniture, monument mounted stowages, and floor stowages.

**Cabin Dividers**

Many areas of the cabin interior need to be sectioned off for class division or privacy and we manufacture products for a range of configuration styles. We offer composite based furnishings such as partitions, class dividers, and windscreen panels. Heath Tecna also supplies divider assemblies utilizing a mix of fabric panels and composite components including cross-aisle curtains, cross-cabin class dividers, crew rests, underbin fabric class dividers, changing or waiting room privacy screens, and DOT lavatory expansion kits.
Korean Air A380 upper deck Celestial Bar

- Faucet and sink
- Bottle chiller
- Bench cushion
- Absolut Vodka bottle display
- Stowage for martini glasses with mood lights
- Mixologist workstation
- End table
- Monitor shroud with magazine stowage below
- Reading lamp
- Three person sofa
- Wash lights
The interior architecture of an aircraft’s cabin is one of its most defining features. The style of architectural elements, the cabin’s perceived spaciousness, and bin capacity are all factors that influence the passenger’s flight experience. While an aircraft is designed to fly for many years, eventually the sidewalls, overhead bins, and ceilings will look dated. In addition, surfaces become marred, mechanical parts fail more often, and stowage capacity becomes inadequate.

To improve the flying experience for passengers traveling in older planes, renewing the architecture can make a significant impact, especially during reconfiguration programs. Handling the design and supply of new panels, bin systems, PSU parts, and structural components for the retrofit market is a team known internally as Interior Architecture.

**Interior Upgrade Systems**
Heath Tecna offers floor-to-floor IUS kits to dramatically alter the appearance of the cabin’s architecture. In most cases, these kits upgrade stowage capacity. Depending on the style chosen, weight may be removed as well. We have a variety of IUS kits to offer including refresh, pivot bin, and bin extension interiors. Standard kits are composed of a bin system and sculpted ceilings. IUS options typically include PSU components, sidewalls, and LED lighting. NuLook interiors are our most popular IUS kits.
PROJECT AMBER: Heath Tecna is developing a new pivot bin interior, code named Project Amber, to retrofit existing Boeing 737NG/757NG aircraft.

That said, for customers who prefer to focus on increasing stowage capacity rather than make over the whole cabin, we offer larger bin systems. We also supply bin extension systems to enlarge existing shelf bins. This mod allows bags to be stowed transversely, which frees up room for more bags.

Custom Architectural Products
When airlines make plans to reconfigure interiors, marketing departments and design firms often wish to update specific architectural elements. Localized styling, the flying experience, and brand differentiation are what it is all about. For these programs, we transform customer ideas and designer sketches into certifiable CAP kits.
Realizing Great Ideas

Engineers working on the B767 NuLook PBI utilized cardboard mock-ups to distill design ideas down to the best solution.
Integration & Certification

Heath Tecna is a leader in the field of aircraft interior integration. We have a team made up of program managers, engineers, and production staff, who work with in-house DERs and certification experts to support reconfiguration programs. As an integrator, we plan the certification path, manage third-party suppliers, perform inspections, and test equipment. We also provide engineering, drawings, kit assemblies, and technical publications. Clients rely on our expertise to obtain a STC in a well coordinated manner.

Seating Arrangements
We design for the removal, relocation, installation, or modification of passenger seats and related parts. Where necessary, high strength seat tracks, EPL, floor panels, hard points, cable raceways, seat track covers, and wire bundles for PC or seat power are supplied.

Cabin Furnishings
Engineering support is provided for the removal, relocation, and installation of furnishings, as well as their corresponding systems. Technical assistance and material testing is also available to support product modifications.

Interior Architecture
For the architecture, we offer installation and modification engineering, “one-off” custom panels and bin components,
structures, wire bundles, and database programming. Integral systems are capped, stowed, modified, or removed.

In-Flight Entertainment
Engineering is provided to remove IFE systems and upgrade aircraft with contemporary IFE. Our company also supplies components such as wire bundles, cooling duct kits, and custom monitor shrouds.

Interior Lighting
We plan for the removal, relocation, or installation of fluorescent and LED light fixtures. Installation planning is also provided for mood light systems.
Qantas Airways B747 upper deck reconfiguration | Larger pivot bins, Skybed sleeper seats, and other furnishings were installed

Photograph © Sam Chui
Certifiably Meticulous

The Certification team meets to discuss a complex reconfiguration program.
Since 1951, Heath Tecna has been supplying aerospace products to OEMs. We are currently designing or have previously produced the majority of articles airframe OEMs require to outfit a typical airplane’s nose-to-tail interiors. Regarding current work, the OEM Programs division has recently completed short-term contracts, or continues to carry out long-term programs, for Airbus, Boeing, and Mitsubishi Aircraft Corporation.

**Engineered SFE**

As new aircraft are being developed, OEMs will approach us with their airframes designed, needing a reliable partner to engineer and produce supplier furnished equipment.

This requires extensive planning, lean operations, diligent design development, and manufacturing excellence to be successful. The OEM Programs team strives to meet these requirements daily and proves it to our OEM partners in design reviews, at the first article inspection, and throughout fulfillment of the contract.

**OEM System Integration**

Developing an aircraft interior is extremely complex. As an experienced OEM system integrator, we can help to greatly simplify matters. HT engineers will work closely with the OEM to define the style and technical specifications of the interior systems. Our designers will also control the interface
As a Tier-One supplier, Heath Tecna is jointly developing and will be providing the nose-to-tail interiors for the MRJ. Contracted as the MRJ payload system integrator, we are managing seven Tier-Two supplier partners. Rendering © Mitsubishi Aircraft Corporation.

definition, manage system design efforts, coordinate certification activities, perform fit checks, and troubleshoot all third party components. In addition, the team will collate all engineering assets and oversee construction of all physical mock-ups, test fixtures, tooling, and functional prototypes of these interior systems.

**Build-to-Print**

We offer aircraft and SFE OEMs our production capacity as a means to off-load extra work in a cost effective manner. Operating in a lean manufacturing environment, our skilled workers excel at crafting complex assemblies to exacting specifications for the aerospace industry.

**MITSUBISHI REGIONAL JET:** As a Tier-One supplier, Heath Tecna is jointly developing and will be providing the nose-to-tail interiors for the MRJ. Contracted as the MRJ payload system integrator, we are managing seven Tier-Two supplier partners. Rendering © Mitsubishi Aircraft Corporation.
Craftspeople apply decorative to stowage box lids for an A380 OEM program.
Aftermarket Services

Heath Tecna is primarily known for producing commercial aircraft interiors and offering integration expertise to airlines around the globe. As our interior architectures and cabin furnishings are flown at 40,000 feet above the ground, we have product support staff ready by the phone to assist customers if anything should happen. They are knowledgeable, dedicated, and part of a caring team called Aftermarket Services.

In addition to supporting Heath Tecna’s interior business, Aftermarket Services offers the aerospace marketplace a FAA approved repair station, an AS9120 certified spares distribution operation, and PMA parts sales.

Part 145 Repair Station
The Repair Station is certified to operate under the FAA’s 14 CFR Part 145, providing customers with a reliable service that will consistently meet or exceed their repair, overhaul, and modification needs. From “one-off” quick turn repairs, to long-term scheduled maintenance contracts, the Repair Station provides flexible service solutions for airlines, MROs, OEMs, and other clients.

On an annual basis, we repair, refurbish, or overhaul an average of 5000 ATA Chapter 25 components, delivering far and above customers’ expectations on quality and TAT (Turn Around Time).
AS9120 Certified Spares Distribution
Aftermarket Services' Spares division is certified to distribute spare parts for the aerospace industry and we stock many types of commonly needed components. We offer spares for Heath Tecna products worldwide, and are a stocking distributor of spares in the Americas for Contour, Sell, and Rumbold products. 24/7 AOG support is provided and customized stocking programs may be arranged as well.

PMA Parts Development & Sales
HT develops PMA parts to improve product reliability, reduce lead times, and save customers money. For more information about PMA parts, send an e-mail to: pma_info@heath.com
Continental Airlines program | Overhaul and repair of Sell ovens

original oven door

refinished oven door

REPAIR SERVICE SPECIALTIES
actuators • beverage makers • coffee makers • closets • door liners • galleys • galley inserts • interior panels • lavatories • OCMs • ovens • overhead bins • PSU parts • partitions • seat components • stowages • leather refinish • leather repair • video arms • water boilers
original lavatory

overhauled lavatory
Contract Services

Flammability Testing
Heath Tecna operates a full-service laboratory on-site, in a modern environmentally controlled work area. The technicians and equipment are capable of supporting the most stringent test requirements. All technicians are highly trained and a FAA DER (Designated Engineering Representative) is available to witness certification testing. The lab performs flammability, mechanical, and physical property testing to validate the materials we use in our aerospace products.

In addition to utilizing the laboratory for HT programs, the lab offers these services to aerospace manufacturers and service providers through our Aftermarket Services group. Flammability test activities within the lab are FAA approved, and the data produced during testing is used in FAA Type Certification projects. Commonly performed tests include ignition, OSU heat release, smoke density, and toxicity.

Technical Publications
To support retrofit and OEM programs, our Technical Publications team provides high quality maintenance documentation, which allows customers to maintain and understand their purchase items beyond expectations. Our “Tech Pubs” people take great pride in their work, and it shows. From the illustrations, to the page layout, to the
FEASIBILITY STUDIES: When a client finds they have more questions than answers on a program they wish to pursue, HT can execute a feasibility study to provide some clarity on the issues. Cost reviews, concept designs, LOPA drawings, certification plans, and renderings are some of the deliverables offered for this contract service.

technical writing, premium materials are produced in a skillful manner, setting our publications apart in the aerospace industry. Supplemental documentation that is typically produced by the group includes IPCs, CMMs, AMMs, WDMs, and SSMs.

The team’s services are available for hire, and they offer a technical data consolidation service to discerning customers who wish to:

» integrate all modification information
» clean up legacy data and technical images
» consolidate, update, and reformat technical data
» convert hard copies of publications to digital formats