Luminary Air Group is a world leader in the design, production and installation of lightweight, modular, mission-tested interiors and insulation systems for military and civilian aircraft.

Since 1998, our STC’d interior products and systems have been flying in aircraft the world over, providing superior cabin comfort, performance and durability no matter what the mission, or where.

CABIN COMFORT SYSTEMS
Luminary Air Group creates innovative, lightweight, easy-to-install noise reduction kits under its Flight Environments brand. Kits are tailored to the unique needs of every aircraft, from the smallest single-engine fixed-wing airplane or helicopter, to the largest wide-body jet.

Each system is custom designed to meet the plane’s individual configuration. All of our insulation kits come with aircraft specific engineering packages, are easy to install, and meet all aviation regulations and standards.

Customized Cabin Noise Reduction
Aircraft cabins are noisy by necessity. Engines, vibration, air flow – all of these are sources of noise that come with traveling through the air at high speeds. This environment makes conversations more difficult, renders sleep less effective, and amplifies the effects of jet lag. Reducing sound levels in the aircraft not only makes a flight more enjoyable, it also allows for easier recovery after the trip.

Luminary Air Group strives to create the most comfortable cabin environment possible based on customer requirements.

Notable achievements in aircraft cabin noise reduction include:
- The world record for quietest Boeing Business Jet cabin at 46.7 dB SIL
- Deliveries to over 50 VIP customers, including heads of state, corporate executives and artists
- Conference room acoustical treatment for the U.S. presidential fleet of 747s
- STCs covering 22 makes and over 100 models

Acoustic Imaging
Luminary Air Group utilizes the most advanced technology available to evaluate cabin sound levels. Acoustic imaging allows a full 360 - degree overview sound field map in the aircraft cabin without making any assumptions.
SPECIAL MISSION AIRCRAFT INTERIORS

With more than 20 years of experience working with military and tactical aircraft of all types, we understand the need for a multi-configurable and maintenance friendly aircraft interior system. That is why we developed the All Day Mission Interior, a high performance system that is both lightweight and extremely durable.

ADMI is low maintenance, delivers superior acoustic and thermal performance, and presents a cleaner look than any other mission interior system flying. No major structural modifications to the airframe are required. Once installed, ADMI’s modular design allows quick access to critical maintenance points. GPS, CPU and ISR equipment installed behind periphery becomes easily accessible using hand tools, even while in flight. The ADMI interior is available with Supplemental Type Certificates (STC).

Luminary Air Group fully maps each aircraft, ensuring the installation is precisely engineered. If required, our teams are available to install the ADMI package.

Luminary Air Group’s ADMI has been proven in various tactical aircraft, flying mission profiles of all types. The system has been installed in military and civilian tactical aircraft worldwide.

AIRCRAFT SEATING

Luminary Air Group’s Flight Interiors brand offers our customers high quality upholstery and refurbishing services for aircraft seating of all types, including VIP and head of state aircraft, business, military and tactical aircraft, commercial, and vintage aircraft.

We use only the finest quality upholstering and build-up materials in our products, and since we perform all of our work in-house, we control the process from start to finish. With in-depth experience in the aviation and aerospace industries, Luminary Air Group delivers an unrivaled level of quality, while maintaining strict adherence to manufacturer’s specifications and industry certifications.

ENGINEERING SERVICES

Luminary Air Group provides a full range of engineering services, including aircraft design, special mission modification and retrofit, structural analysis, certification, and testing. With a dedicated staff of design, mechanical, electrical, structural and aerospace engineers along with DER and DAR professionals, Luminary not only intimately understands the modification and completion industry from the executive to the production level, but also has experience with special challenges in engineering an aircraft modification. We can design everything from individual systems, support structures, liners, etc. to providing engineering for a few rooms or a whole aircraft.

PROGRAM MANAGEMENT

Our Program Management Office has over forty years of combined aircraft experience directing and managing various complex interior installations, engineering changes and evaluations, and maintenance, both corporate, military, and private aircraft. From inception to completion, following best practices and tools for project execution, our company provides effective communication, project oversight, quality, and positive customer interactions.

Our service offers a formal, yet tailored approach. By initiating, planning, executing, monitoring, controlling the project to closure, ensures a timely execution of the services we provide. We work with our clients to plan and manage the projects from start to finish, delivering these services, and customer savings, without sacrificing quality. Contact our office and see how we can assist you with your project.

No matter what you’re flying, where or when, Luminary Air Group has you covered.

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