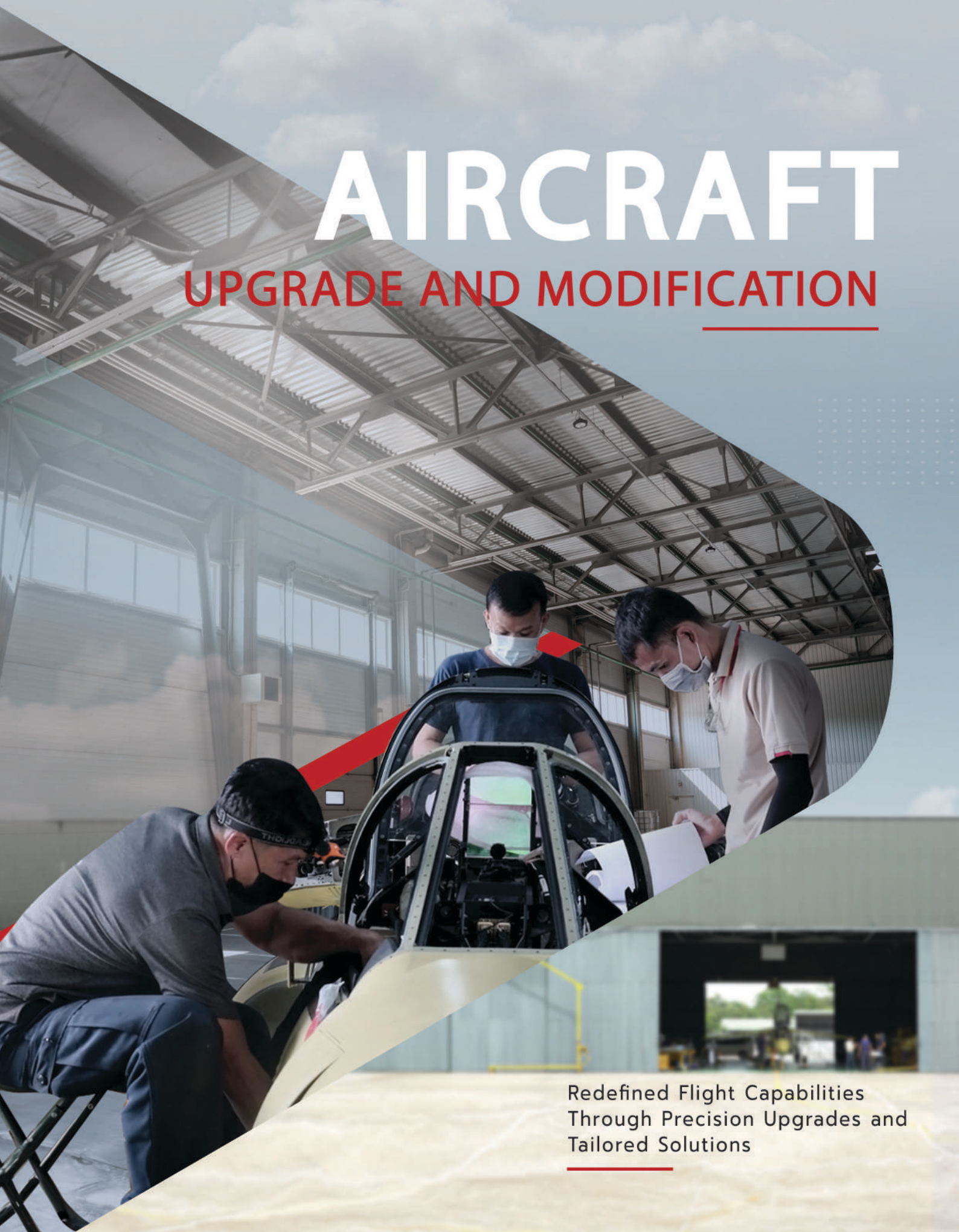
RV CONNEX

AIRCRAFT

UPGRADE AND MODIFICATION



Redefined Flight Capabilities
Through Precision Upgrades and
Tailored Solutions

AIRCRAFT

Upgrade and Modification

Aircraft are designed for long-term reliability and operational service. To ensure sustained performance, it's imperative to not only maintain them consistently but also implement continuous upgrades to avionics and systems, preventing obsolescence and keeping pace with modern tactical capabilities.

RV Connex's extensive capabilities and expertise provide integrated support and service solutions for various aircraft, drawing on our rich experience in enhancing tactical capabilities across diverse platforms. Our comprehensive range of services includes, but is not limited to, cockpit avionics upgrades, modifications, and the integration and installation of avionics and mission systems.

01 CAPABILITIES

RV Connex excels in refurbishment and capability enhancement, meeting modern operational requirements. Equipped for maintenance, engineering design, and customized production, we cover platforms like PC-9, CT-4, RTAF-6, F-5, AU-23, and Alpha Jet. Specializing in mechanical and electrical A- Kit production, our in-house facilities ensure top-notch quality in services spanning electrical systems, cockpit upgrades, avionics, national data link integration, and weapons.

COMPOSITE
PARTS

MECHANICAL
PARTS

ELECTRICAL
PARTS

02 STANDARDS AND CERTIFICATIONS

Rigorously adhering to international standards, RV Connex guarantees airworthiness and safety. Compliant with STANAG, US Military Standard (MIL-STD), ISO9001, AS9100D, IPC/WHMA-A-620, and IPC-A-610, we emphasize quality in designing, developing, and testing aircraft components. This commitment is integral to delivering high-quality products and solutions.

03 COMPLIED STANDARDS

AIRCRAFT MODIFICATION CAPABILITIES DESIGN STANDARDS

Modification Design Standards to Follow:

- MIL-STD-1472G - Human Engineering Design Criteria
- MIL-HDBK-516C - Airworthiness Certification Criteria
- AS9100 (Compliant) - Quality Management Systems for Aerospace and Military

Structural Design Standards to Follow:

- JSSG-2006 - Aircraft Structures
- AMIL-A-8865B - Airplane Strength and rigidity Miscellaneous Loads
- MIL-STD-1587E - Design Criteria Standard, Material and Process Requirement for Aerospace Weapons Systems
- MIL-STD-8591 - Airborne Stores, Suspension Equipment and Aircraft-Store Interface (carriage phase)

Electrical Design Standards to Follow:

- SAE-AS50881 - Wiring Aerospace
- MIL-HDBK-83575 : HDBK for Space Vehicle Wiring Harness Design and Testing

Material Selection

- MIL-STD-7179 - Finishes, coatings and sealants, for protection of aerospace weapons systems
- SAE-AS50881 - Wiring Aerospace

STANDARDS

- JSSG-2006 - Joint service specification guide - aircraft structures
- AS9100 (Compliant) - Quality management systems for aerospace and military
- MIL-STD-810F - Test method standard for environmental engineering considerations and laboratory tests
- MIL-STD-1472F - DOD design criteria human engineering
- MIL-A-8865B - Airplane Strength and rigidity Miscellaneous Loads
- MIL-STD-8591 - Airborne stores, suspension equipment and aircraft-store interface (carriage phase)

AIRWORTHINESS

- Federal Aviation Administration (FAA-FAR)
- European Aviation Safety Agency (EASA-CS)
- MIL-HDBK-516 - Airworthiness Certification Criteria

AIRCRAFT MODIFICATION CAPABILITIES

Quality Management System (Certified)

- ISO. 9001:2015 : UAV Engine Repair and Maintenance Shop
- IPC-WHMA-A-620 : Cable harness production
- IPC-610 : Electronic Assemblies
- NDT : None Destructive Inspection for Mechanical part
  - Liquid Penetrant Testing Level II
  - NDT Level I/II
- Manufacturing
- CMMI : Software Development
- Systems Engineering Process
- AS9100 : Cable harness Shop, Mechanical and
- Electrical Design and Manufacturing

AIRCRAFT UPGRADE AND MODIFICATION

RV CONNEX Made in Thailand

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Remarks : In keeping with our policy on continuous product improvement, this brochure is subject to change without notice.