



AVIAGE SYSTEMS
昂际航电



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ELEVATING THE FUTURE OF FLIGHT

Be the global civil avionics leader that elevates the future of flight by unleashing and integrating world-class talent, cutting-edge innovation, and powerful partnership.

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ABOUT US

AVIAGE SYSTEMS is a 50/50 joint venture between General Electric Company (GE) and Aviation Industry Corporation of China (AVIC) established in March 2012. Building on a historic partnership between two world-leading aerospace companies, AVIAGE SYSTEMS aims to elevate the future of flight by unleashing our world-class talent, cutting-edge innovation and powerful partnerships.

As a global civil avionic systems solution provider, AVIAGE SYSTEMS provides integrated avionics solutions across 3 packages to C919 including 5 sub-systems. At the core of its civil avionic system solutions, AVIAGE SYSTEMS' industry leading IMA technology provides an expandable, easily configurable, digital open-architecture computing platform, capable of hosting more functions, improving integration ability, and effectively saving operation cost.

AVIAGE SYSTEMS is GE and AVIC's exclusive route to global market for all new civil high integrated avionics business.

IN CHINA, FOR GLOBAL

AVIAGE SYSTEMS headquarters is located in Shanghai with a 36,000m² office to support the growing engineering and manufacturing needs, including world-class R&D, Integration & Test lab facilities.

With the strategy of "In China, For Global", AVIAGE SYSTEMS has expanded its global presence to Phoenix (U.S.) and Toulouse (EU) to serve the global clients across borders and time-zones.



A TRUSTED BUSINESS PARTNER

- The first C919 airborne system supplier to deliver
- "Supplier of the Year" awarded by COMAC for 4 consecutive years
- AS9100D QMS certified
- Culture of compliance & Cyber Security ISO27001/2

GLOBAL TEAM OF TOP TALENT

AVIAGE SYSTEMS has formed a global team of world-class aviation talents dedicated to leading the future of civil avionics. The diversified company culture including members from 12 countries. More than 55% employees with Master and PhD degrees, and over 1/3 engineers with 10+ years aviation experience background.

INTEGRATED AVIONICS SOLUTIONS

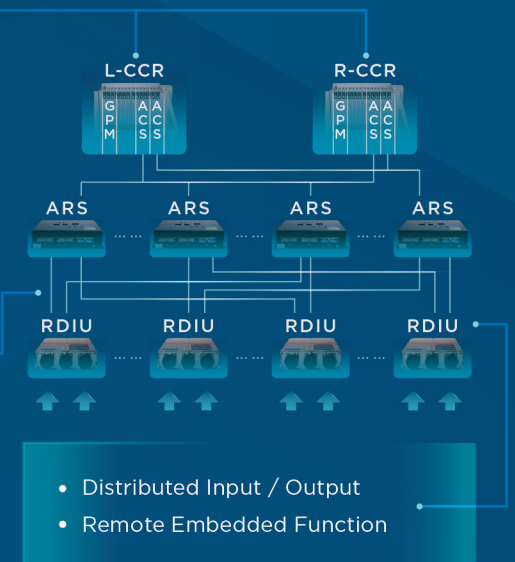


IMA PLATFORM FEATURES

- 1 Multiple Physical Separated CCR + Robust Partition Design
- 2 Standard Open Architecture Platform (A664 & A653)
- 3 High-integrity, High-availability and Deterministic Network
- 4 Distributed Input / Output, Reducing Cable Weight

- High Integrity Processor Card by Lock Step Technology
- DO-254 Level A Hardware
- DO-178B Level A Software

- High Integrity Network by End-to-End Data, Time, Sequence, Source Integrity Protection
- High Availability Network by Dual Channels
- ARINC664 Deterministic Network



IMA SYSTEM INTEGRATION CAPABILITIES

Single Hosting System Development

- 1 | Ecosystem Capabilities to Support Lifecycle Development and Deployment
- 2 | System Hosting Feasibility Assessment and Prototyping
- 3 | Hosting System Architecture Optimization and Safety Assessment
- 4 | Single Hosting System IV&V with IMA Platform

Multiple System Integration

- 1 | Cross Package System Integration Capability to Support Integration and Optimization
- 2 | Multiple Hosting System Architecture Trade Off and Optimization of Resource Allocation
- 3 | Multiple Hosting System Configuration Management and IV&V
- 4 | Change Containment and Budget Management to Reduce the Rework and Development Risks



INTEGRATED ECOSYSTEM SOLUTIONS

Integrated Ecosystem Solutions provide OEM, Hosted System Suppliers and Airlines more freedom to develop and integrate their solution or hosted application in an open IMA platform.



Lab

Customized Lab Solutions

- Scalable Lab Environment
- Various Lab Products
- System Simulation



Tools

Life Cycle Software Tools

- Modeling Tools
- Configuration Build & Generation Tools
- Design Assistant Tools
- Other Tools



Process

Documentation Advisories for Process

- Hosting System Resource Guide (HSRG)
- IMA System Development Process



Service

Customized Life Cycle Services

- Tier-1 Avionics Systems Integration Service
- Hosted Function Development Training & Consulting
- Engineering Development
- Spares & Parts After-Sales Services

