

# ROADWARRIOR AVIATION

## AVIATION

RWA HAS ASSEMBLED A TEAM OF PROFESSIONAL AEROSPACE ENGINEERS WITH A WIDE ARRAY OF EXPERIENCE. THE TEAM IS COMPOSED OF OVER TEN ENGINEERS AT THIS TIME THAT INCLUDE MECHANICAL, STRUCTURAL, POWER PLANT, ELECTRICAL AND AVIONICS EXPERIENCE FROM VERY BROAD BACKGROUNDS.

OUR TEAM OF SENIOR LEVEL ENGINEERS HAVE PERFORMED SERVICES OR HAVE BEEN EMPLOYED BY MODIFICATION CENTERS COMMERCIAL, MILITARY, ORIGINAL EQUIPMENT AND AVIONICS MANUFACTURERS.

RWA HAS A VERY DIVERSE GROUP WITH THE SKILLS AND EXPERIENCE TO PROVIDE DESIGN PACKAGES IN THE FOLLOWING SOFTWARE PROGRAMS:

- ◆ AUTOCAD
- ◆ SOLIDWORKS
- ◆ CATIA V5 AND CATIA V6
- ◆ NX UNIGRAPHICS
- ◆ CADAM
- ◆ CADRA



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RWA CAN PERFORM ENGINEERING SERVICES FOR SYSTEM INTEGRATION, SYSTEM DESIGN AND PROVIDE FAA CERTIFICATION FOR ANY INSTALLATION. THIS CERTIFICATION CAN BE PROVIDED THROUGH FAA ACOS OR BY REACHING OUT TO SEVERAL ODAS TO EXPEDITE THE CERTIFICATION PROCESS.

THE EXPERTS ONBOARD RWA HAVE WORKED AND COMPLETED MANY SUCCESSFUL STC PROJECTS TO INCLUDE THE FOLLOWING:

- ◆ COLLINS PROLINE 21 STC IN KING AIR 300 AND 350 AIRCRAFT
- ◆ IFE AND CABIN SYSTEMS IN BOEING 737 THROUGH 777 CLASS AIRCRAFT
- ◆ IFE AND CABIN SYSTEMS IN AIRBUS A320 AND 340 CLASS AIRCRAFT
- ◆ STANDBY ALTERNATOR SYSTEM IN PIPER SARATOGA
- ◆ SAGEM COCKPIT UPGRADE IN MITSUBISHI MU-2B AIRCRAFT
- ◆ RVSM STCS IN MANY BUSINESS AIRCRAFT MODELS AND MANUFACTURERS
- ◆ GARMIN G950 AND G1000 INSTALLATIONS INTO MULTIPLE PLATFORMS



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OUR ENGINEERS HAVE BEEN INVOLVED WITH NEW AIRCRAFT DEVELOPMENT AT VARIOUS MANUFACTURERS. THIS EXPERIENCE AND THE ORGANIZATION REQUIRED TO DEVELOP NEW AIRCRAFT HAS SERVED THE TEAM WELL AS IT PERFORMS MODIFICATION SYSTEM DESIGN. THE SYSTEM CAPABILITIES OF THE ROADWARRIOR TEAM ENCOMPASSES THE ENTIRE AIRCRAFT. SOME OF THESE STRENGTHS AND AVIONICS SYSTEMS ARE AS FOLLOWS:

- ◆ SATCOM, GPS, TACAS, TAWS, TRANSPONDER, DUAL AND SINGLE FMS, IRS, AHRS, AIR DATA, VHF, HF, UHF, AUDIO NAVIGATION, ELT, FLIGHT DATA RECORDERS AND VOICE RECORDERS.
- ◆ SPECIALIZATION INCLUDES COCKPIT UPGRADES, GPS, FMS, ENGINE UPGRADES, IN FLIGHT ENTERTAINMENT AND ADS-B.
- ◆ EXPERT AT EMI/RFI PREVENTION AND ELIMINATION. THIS IS A STRENGTH OF OUR COMPANY.
- ◆ VERY STRONG BACKGROUND WITH MILITARY MODIFICATIONS; LARGE AND SMALL AIRCRAFT.



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RWA HAS A TEAM THAT HAS EXPERIENCE ON MANY OF THE FOLLOWING AIRCRAFT TYPES:

- ◆ BEECHCRAFT AND HAWKER
- ◆ BOEING
- ◆ CESSNA
- ◆ GULFSTREAM
- ◆ BOMBARDIER
- ◆ AIRBUS
- ◆ PIPER
- ◆ PILATUS
- ◆ SIKORSKY

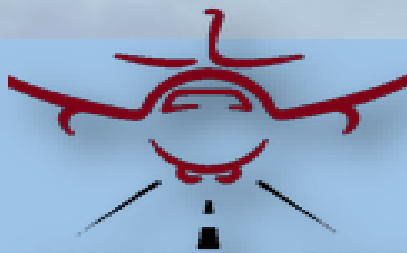


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THE STRUCTURAL AND MECHANICAL TEAM AT RWA HAS MULTIPLE HEAVY STRUCTURAL CAPABILITIES TO ASSIST IN MANY MODIFICATION PROJECTS. SOME OF THE CAPABILITIES OFFERED BY THESE ENGINEERS INCLUDE:

- ◆ INTERIOR DESIGN
- ◆ DIVAN SEATING
- ◆ GALLEYS
- ◆ EQUIPMENT RACK DESIGN
- ◆ SECONDARY STRUCTURE
- ◆ MRB ACTIVITY
- ◆ BULKHEADS
- ◆ STORAGE BINS
- ◆ CARGO BAYS
- ◆ LAVATORIES
- ◆ ANTENNA MOUNTS
- ◆ DAMAGE TOLERANCE ANALYSIS
- ◆ VIP MONUMENTS
- ◆ CONNECTOR BRACKETS



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THE RWA TEAM CAN WRITE REPORTS AND ASSIST WITH THE CERTIFICATION OF PRODUCTS AND INSTALLATIONS WITH THE FOLLOWING EFFORTS:

- ◆GROUND TEST PLANS
- ◆FLIGHT TEST PLANS
- ◆EMI/RFI TEST PLANS
- ◆HIRF AND LIGHTNING REPORTS
- ◆SYSTEM SAFETY ANALYSIS
- ◆COMPLIANCE REPORTS
- ◆STRUCTURAL ANALYSIS
- ◆ELECTRICAL LOAD ANALYSIS
- ◆THERMAL SURVEYS

RWA CAN MANAGE YOUR PROJECT OR ASSIST WITH DESIGN AND DOCUMENTATION.



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AVIATION

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