



SENIOR DESIGN ENGINEER. TAGUIG, PHILIPPINES (THE)

Avia Solutions Group (ASG) Global Services Philippines is looking for a multi-skilled **Senior Design Engineer** to support **JETMS**, a global provider of integrated world-class aircraft solutions that meet numerous servicing and modification requirements including line and base MRO, bespoke interiors, exteriors, and VIP aircraft completions.

The role of **Senior Design Engineer - Cabin Interiors** is to design, develop, integrate and document interior payload system requirements to establish the system design of small, large aircraft modifications and small, large rotorcraft modifications.

To produce all 3d Design models, 2d drawings and Bill of Materials [APAs] and associated supporting documentation, to forward to a UK CAA or EASA 21J DOA, to demonstrate compliance with relevant regulatory requirements, customer requirements and procedures defined in the JETMS Design Organization Handbook (DOH).

Reporting to the JETMS Completions Head of Design / Design Office Manager and working with the JETMS 21G POA, Part 145 MOA, to identify requirements and their associated solutions for active and upcoming projects.

This position is based in ASG Global Services Philippines office in BGC, Taguig, under a hybrid setup, working in the EU time zone.

About JETMS

A leading global provider of integrated aircraft solutions, specializing in completions for business and commercial jet operators. Their offerings range from soft furnishings to metal plating, catering to the diverse needs of the aviation industry. Experts in crafting bespoke items like galleys, lavatory units, and cabin dividers with precision and innovation. Utilizing advanced 2D and 3D modeling techniques, alongside meticulous electrical and mechanical drawings, JETMS maintains the highest industry standards. Company commitment to safety is evident through rigorous testing, ensuring reliability and excellence in every project.

JETMS is a member of Avia Solutions Group, the leading aviation business group, operating across all continents with offices in Ireland, USA, Asia Pacific, UAE, Lithuania, South Africa, and Australia. Backed by 14 000 highly skilled aviation professionals, the group is the largest global ACMI provider, operating a fleet of more than 220 aircraft. The group also provides various aviation services such as MRO (Maintenance, Repair, and Overhaul), pilots and crew training, ground handling, and other interconnected solutions.

Key Responsibilities:

Develop engineering design solutions with the use of CAD, for modifications to aircraft cabin systems such as, but not restricted to:

- Modification to cabin layout by introducing new LOPA (Layout of Passenger Accommodation) and its associated changes such as Passenger Service Units (PSU), Emergency Equipment, etc.
- Installation of galleys, monuments, lavatories, class dividers, seating throughout the cabin to meet end customer requirements.
- Modification to the existing aircraft environmental systems such as air conditioning systems, water and waste.
- Introduction of new aircraft paint schemes (liveries) and emergency marking system.
- Installation/Modification of new Crew Rest Stations.
- Liaise with other design engineers to organize and control working teams.
- Liaise with DO / Project managers to ensure [to best of one's ability] an on time, on budget design solution.

Produce and support via substantiation documents, to demonstrate compliance with relevant regulatory and operational requirements, including:

- Flammability documentation.
- Design reports (egress, direct view, etc.).
- Test plans and reports.
- Stress Report [FEA, FEM] liaison with stress engineer.
- Cabin walkthrough plans and reports.
- System Safety Analysis for interior components and systems.
- Compile engineering accomplishment documentation and instructions for continued airworthiness including.
- Service Bulletins / accomplishment instructions.
- Aircraft and component manual supplements.

Support the statement of work and bids for new customer requests, due to long term absence of either the Head of Design or DO Manager as necessary.

Work closely with customers, outside vendors, MROs, Part 21J DOA and other teams within the company, to create engineering solutions that exceeds customer expectations on time and within budget.

Undertake all manner of design projects from simple changes to complex STCs.

Qualifications:

- BS Mechanical Engineering, HNC/D Mechanical Engineering (or similar) with ideally a minimum 5-6 years of aircraft interiors mechanical/structural design engineering industrial experience.

Skills and Experience:

- Current or recent employment within the aerospace industry specifically working with an EASA Part 21J Design Organization (or equivalent) is preferable.
- Inventor AutoCAD experience.
- Knowledge and experience of aircraft interior reconfiguration programs and primary and secondary aircraft structures is preferable.
- Working knowledge of sheet metal forming/fabrication/machining.
- Working knowledge of aircraft material and fastener selection, hole size types, sealants & finishing.
- Able to demonstrate a working knowledge of EASA regulatory and airworthiness requirements including (E)TSO, CS23, CS-25, CS-29, CFR Part 25 & Part 21J design organizations.
- Experience of aircraft interior reconfiguration programs and primary and secondary aircraft structures is preferable.
- Ability to work on multiple programs with varying level of requirements efficiently and effectively.
- Detailed working knowledge of all aircraft continued airworthiness documentation.

Personal Attributes:

- A person of integrity who values attributes like trust, honesty and respect.
- You enjoy working in a collaborative environment, are willing to share knowledge and wisdom and not afraid to admit limitations.
- You are adaptable and resilient with high expectations and higher aspirations.
- Self-Motivated.
- A high level of attention to detail and professional integrity.
- Ability to prioritize workloads and show flexibility to changing situations / demands.
- Flexibility.

The Benefits of being part of our Team:

- Professional development and growth opportunities.
- Learn and grow in an exciting global industry.
- Join an inclusive and dynamic team where your insights are valued, and innovation drives success.
- Benefit from a flexible work environment and comprehensive perks that support your personal and professional well-being.
- Receive competitive compensation and recognition for your contributions to the team.

A remote workforce service centre supporting Avia Solutions Group's ACMI airlines and MROs worldwide.