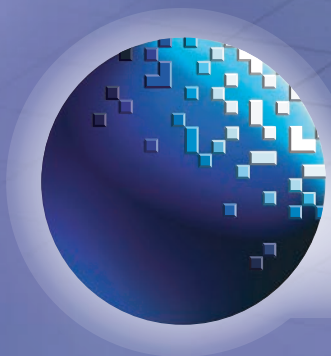


Engineering Design for Aircraft Interiors



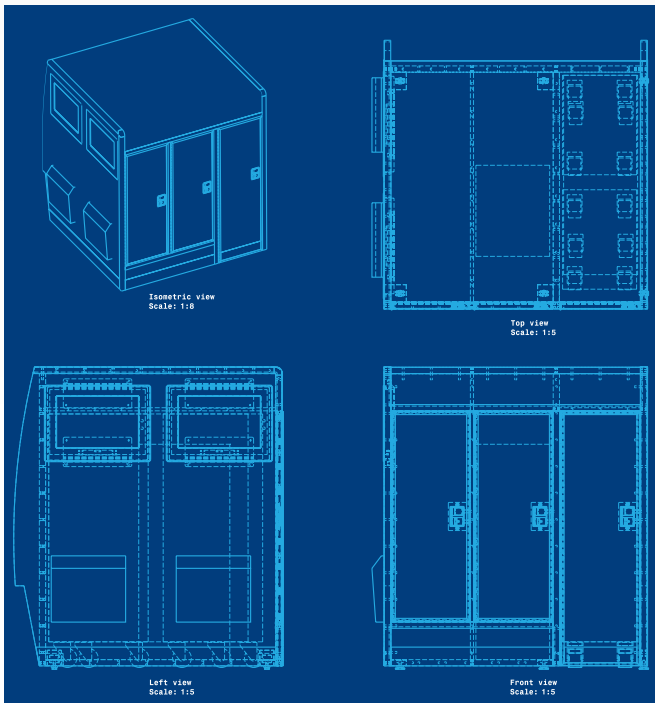
CDG
a Boeing Company

Solving Your Engineering Design Problems

Your Engineering Challenges & Issues

In today's competitive environment, your commercial engineering teams may face a number of challenges:

- High workload, with immediate deadlines to meet project schedules
- Multiple projects running on parallel schedules, each requiring the same types of engineering experience and skill sets
- Shortage of qualified and trained engineering personnel resources
- Budget pressures to control project costs
- Need for more streamlined project management approaches – to keep projects on time, on budget
- Required compliance with all regulatory standards



How CDG Can Help

CDG has an extensive team of engineering personnel with extensive experience in all areas of the aircraft cabin. We can help out as an extension to your team when your workload requirements are high and there is an immediate need to have a project completed.

CDG teams are experienced within the whole cabin, including the initial LOPA - Floor Plan development and optimization. We ensure that an interior configuration meets regulatory requirements, with the best possible PAX count and use of space. With over 20 years of experience within the interiors market we can design and engineer all interior products, from a full galley complex to partitions and dividers. With experience in single aisle, twin aisle and VIP corporate jets, our engineers can work with you on any project and add value to your overall engineering process.

CDG Interiors Engineering Capabilities

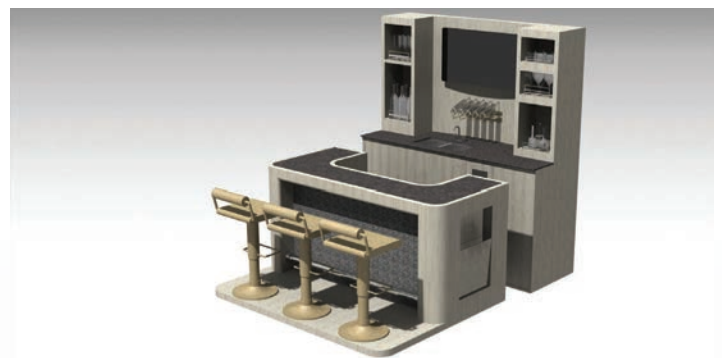
- Aircraft Interior Product Design & Re-design
- Mechanical & Electrical Design
- 3D Animation & Modelling
- Feasibility Studies
- Aircraft Interiors Reconfigurations
- IFE Changes



VVIP Modifications for VIP Jets, Fixed and Rotary Wing

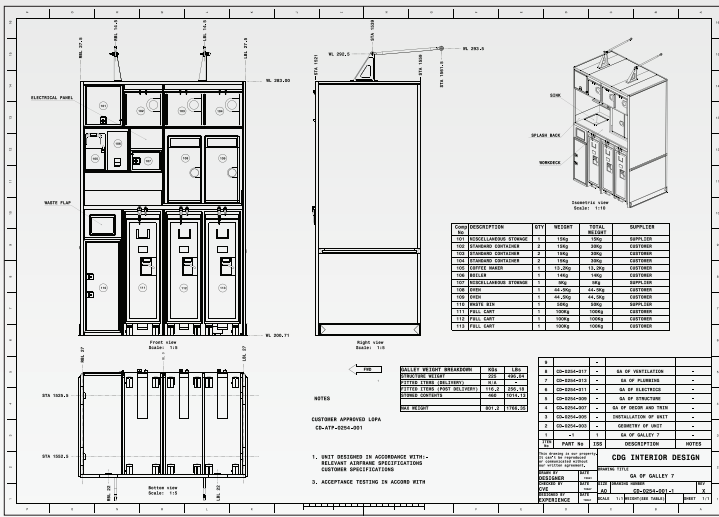
CDG understands that each and every customer requires an individual approach, with personalised and specific design intent behind each project. With our engineering breadth of knowledge, we are able to assist in creating the optimum design to meet all of your and your customers' expectations. We cover all elements within the cabin, across all platforms, including but not limited to:

- Seating – all classes
- Galleys
- Bar Units
- Side Enclosures
- Closets
- Partitions
- Divans
- Credenzas
- Bathrooms / Lavatories
- Showers
- Bedrooms
- Pocket Doors
- IFE/CMS Installations



CDG teams are skilled in multiple CAD systems, including:

- CATIA v4 & v5
- SolidWorks
- Pro/ENGINEER
- AutoCAD®
- UG NX
- 3ds Max®
- Nastran/Patran
- FEMAP
- FiberSIM®
- ABAQUS
- Mathcad®



Technical Documentation Support

CDG can also support customers in developing compliance documentation:

- Component Maintenance Manuals (CMM)
- FE Modelling (FEA)
- Illustrated Parts Catalogue (IPC)
- Wiring Diagram Manuals (WDM)
- System Schematic Manuals (SSM)
- Plus Other Technical Documentation Required For Modification

Benefits of Partnering with CDG

Extensive Experience – Leverage our experience in all areas of cabin interior design. CDG can add both capacity and capability to enhance your own design team, applying the optimal resource with the correct skill set to match the task required, ensuring the most efficient use of budget and time.

Integrated Teams - Our teams can work as an integrated part of your team and if required, can access your selected PDM System to enable seamless outsourcing.

Affordable Options – CDG can offer blended global team pricing options, providing extremely competitive pricing combined with world class engineering services to our customers.

Accuracy - Our “right first time” policy and stringent quality processes ensure that we deliver exactly what our customer requires and expects.

Flexible, Long-Term Partnerships – Our flexible, partnership type of approach enables you to use CDG as needed, whenever you require additional support. We will be here in the long term to help and support you as your requirements evolve and change.

Certification Support

CDG can also support customers in developing compliance documentation:

- FE Modelling (FEA)
- Interface Load Test Plans & Reports (IFL)
- Electrical Load Test Plan & Reports (ELA)
- Electrical Magnetic Interference Test Plan & Report (EMI)
- Static & Dynamic Test Plans & Reports
- Flammability Test Plan & Report
- Sustained Engine Imbalance (SEI)
- And All Other Interior Compliance Documentation

Approvals & Certifications

- AS9100:2009 Rev C
- EASA Part21J with agreement
- BS EN ISO 9001:2008
- ISO 14001:2004
- OHSAS 18001:2007

U.S. ISO Certifications:



U.K. ISO Certifications:



BS EN ISO 9001:2008
Certificate No. FM 34807
Certificate No. FM 532240

Trade Associations:



Why CDG?

CDG, a Boeing Company can help you at any point in your engineering cycle – if you are short of resource, time, or capability we can act as a seamless extension to your team. We also understand that streamlined project management approaches and strong communications are key in ensuring our customers’ objectives are met. We believe in developing long-term relationships with our customers, working as partners to help them keep one step in front of the competition.

CDG has extensive experience in adding value to VIP engineering requirements. We appreciate that you will have very specific requirements and demanding time lines; we are able to respond promptly to assist you, with the philosophy of first time right--every time.

As a wholly-owned subsidiary of The Boeing Company, CDG offers the financial stability you look for in a partner, providing you with the security that we will be here in the long term to work with you whenever you need us, either on a project by project basis, or as an extension to your team.

Contact us

Ready to learn how CDG can help?

Send your business requirements to:

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