KAMAN

Aerospace



Kaman Engineering Services – Boeing Supplier of the Year 2012



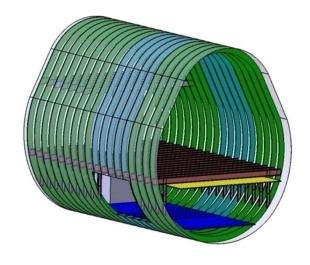
"The awards are based on meeting or exceeding quality, on-time delivery, post-delivery support and affordability goals, and demonstrating the ability to anticipate and respond to changing requirements"

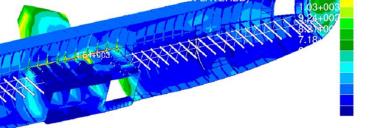
Boeing Press Release, April 19, 2013



Current Projects:

- Boeing South Carolina 787-8/-9
 - SME Product Stress Liaison Support
- Boeing 747-8I/8F
 - Product Development Support
 - Producability optimization, Cost / Weight Reduction
- Boeing 787-8/-9
 - Certification Support
 - Production Support, Cost / Weight Reduction
- Boeing KC-46A
 - Design and Development
- Kawasaki Heavy Industries B787-8/-9/-10
 - Passenger Door Surround Stress and Fatigue Analysis
 - Section 43 Fuselage stress and fatigue Analysis
- A330 -200 / -300 P2F Conversion
 - Fuselage Primary Structure modification
 - Global Finite Element Model
- Provisional Global Finite Element Models
- B/E Aerospace
 - Airline Interiors Design

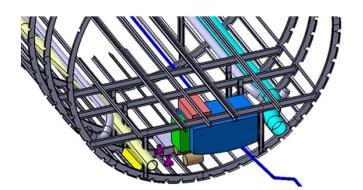


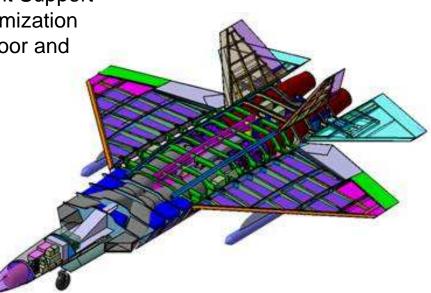




Past Projects:

- Boeing 747-8I/8F Development and Analytical Support
- Boeing 787-8/-9 Development and Analytical Support
- Boeing 747-8I/8F Development and Analytical Support
- Kawasaki Heavy Industries Boeing 787-8 Section 45 Analysis
- Kawasaki Heavy Industries Boeing 787-8 Section 45 Analysis
- Boeing 747-8 Over Wing Fairing Design
- Mitsubishi Heavy Industries MRJ Development Support
- Bombardier Global Express Slat Rigging Optimization
- US Presidential Helicopter Forward Airstair Door and Emergency Exit Door re-design
- DOD Aerial Target

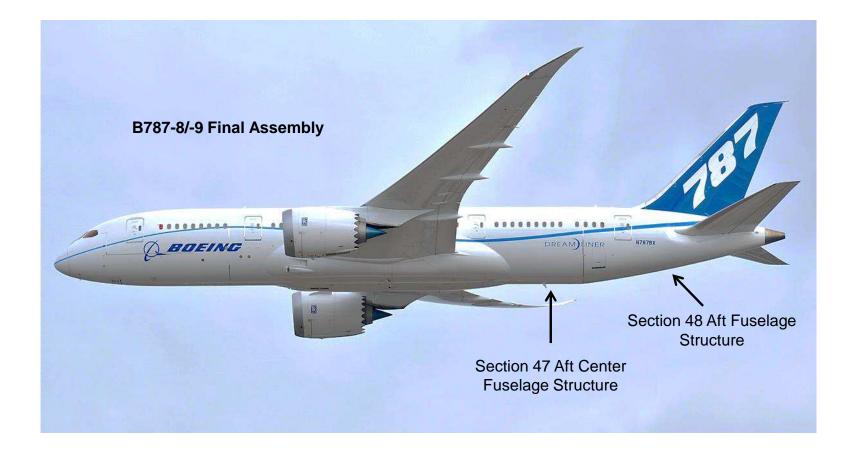






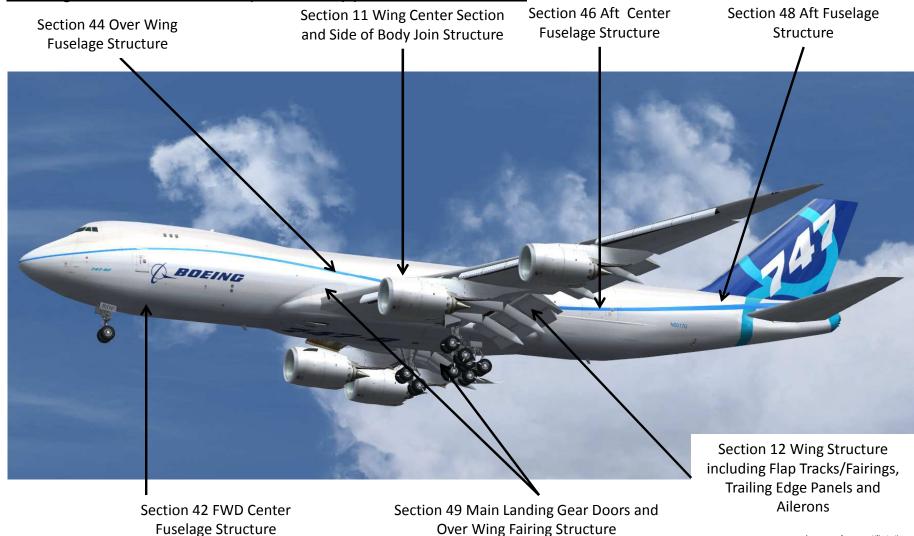


Boeing South Carolina 787-8/-9 Production Support - Charleston, SC





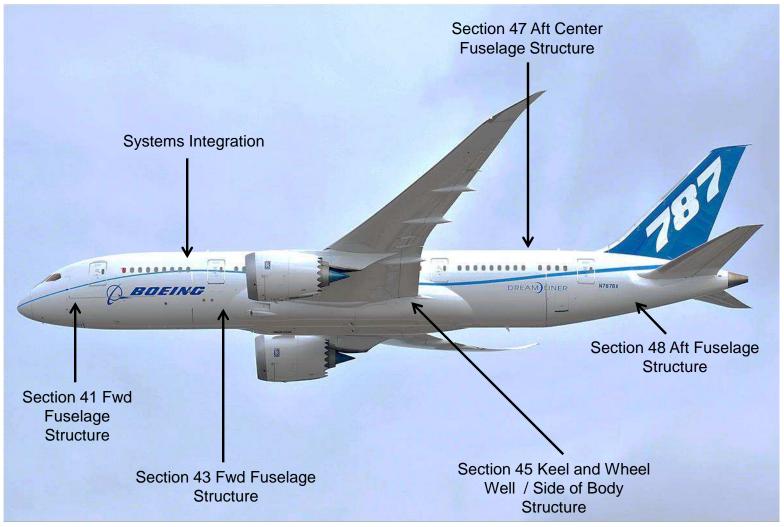
Boeing 747-8I/-8F Development Support - Everett, WA





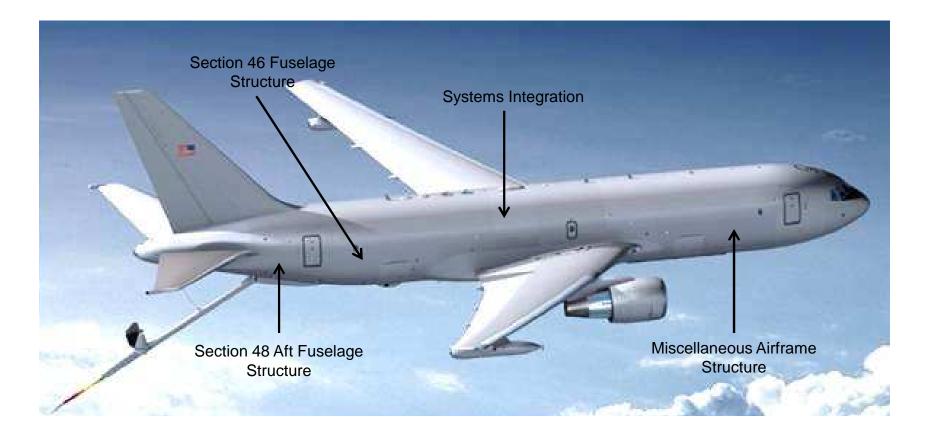
This document does not contain ITAR or EAR technical data.

Boeing 787-8/9 Development Support - Everett, WA





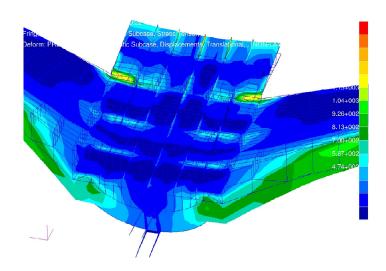
Boeing KC-46A Development Support - Everett, WA

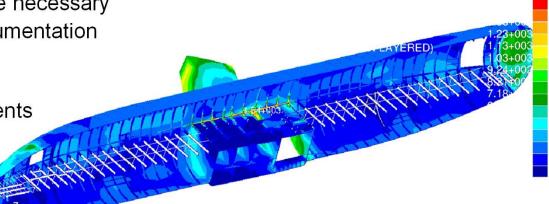




<u>Transport Category Aircraft Passenger to Freighter</u> Conversion

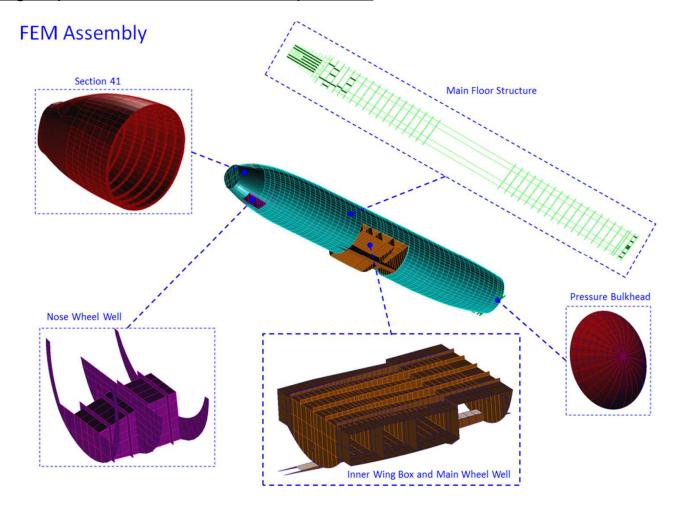
- Preparation of full aircraft Global Finite Element Model using a combination of 3D models, 2D drawings and Structural Repair Manual
- Preparation of all necessary documentation supporting the GFEM
- Review of the existing passenger and freighter aircraft structure using OEM data
- Modification of the existing passenger aircraft structure to accommodate the freight loads
- Introduction of new structure where necessary
- Preparation of all engineering documentation including:
 - Finite Element Model
 - Analysis methodology documents
 - 3D CATIA models
 - 2D CATIA drawings
 - Certification reports





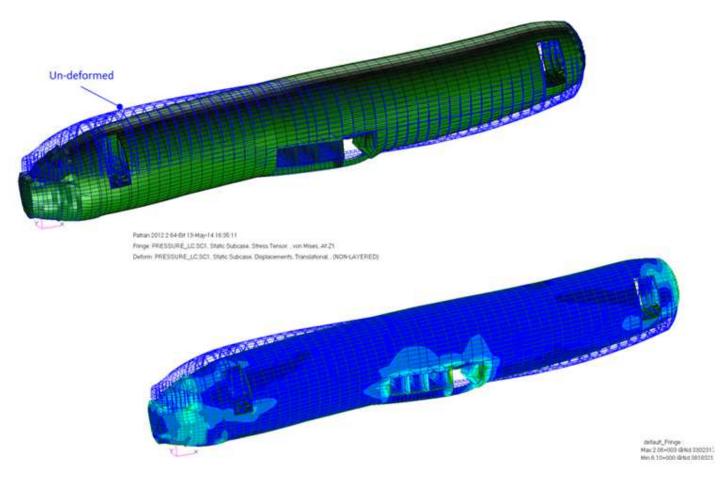


<u>Finite Modeling Expertise – Global FEM Preparation</u>



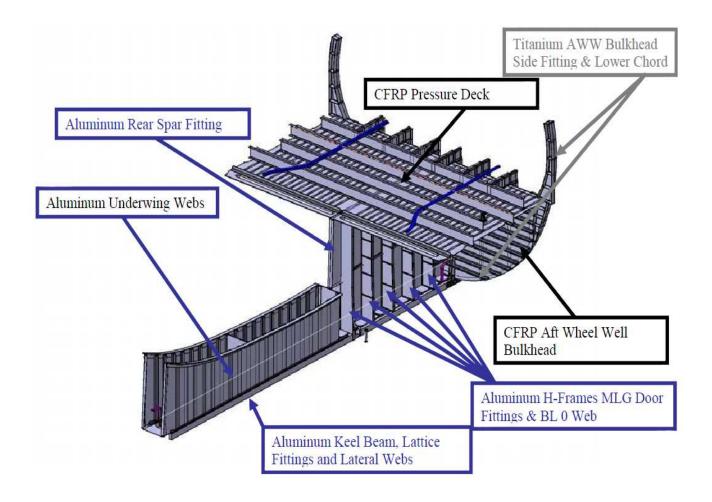


<u>Finite Modeling Expertise – Application of External Loads</u>





Design and Analysis of Complex Structures





For More Information Please Visit www.Kaman.com/Aerospace

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