Boeing San Antonio
Bite of Science Session – Holmes H.S.
Video: “What others Dream, We Do!” - CEO
Jim McNerney

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Jason Garza
Liaison Engineer
Feb. 26, 2015
Boeing is the world's largest aerospace company and leading manufacturer of commercial jetliners and defense, space and security systems.

Founded in 1916 in the Puget Sound region of Washington state

More than 170,000 Boeing employees in 50 states and 70 countries

More than 140,000 hold college degrees.
Types of Engineering within the Boeing Company

- Aerospace
- Chemical
- Civil
- Electrical
- Environmental
- Industrial
- Quality
- Manufacturing
- Mechanical
Jason Garza: Boeing Product Review Liaison Engineer

- South San Antonio High School
  - Class of 1998
- Texas A&M University
  - B.S. Mechanical Engineering, Dec-2002
- University of Texas at San Antonio
  - M.S. Management of Technology-2011
- Boeing PR/Liaison Engineer IV
  - Hired early 2003 - Current
- Vought Aircraft – DFW
- Career Goal:
  - Become the first ATF of Boeing San Antonio.
Boeing San Antonio: A One of a Kind Place

Background:
• Former SA-ALC at Kelly AFB
• First Boeing Aircraft (C-17) input
  August 10, 1998

Site Capacity:
• Up to 22 Wide Body Hangar Positions
• Up to 33 Narrow Body Hangar Positions
• 33 Ramp Positions

Approx 168 Acres
1.6 Million Sq Ft Building/Hangar Space

$200M+ In Overall Site Investments Since 1998
How Design and Liaison Engineers Work Together

Design Engineer

Liaison Engineer

STRUCTURAL DESIGN CRITERIA

- LOADS AND STRESS
- FATIGUE
- MATERIAL SELECTION
- CORROSION PROTECTION
- DAMAGE TOLERANCE
- INSPECTABILITY/ACCESSIBILITY
- MAINTENANCE CONSIDERATIONS
- WEIGHT TRADES
- COST TRADES
- MANUFACTURING PRODUCIBILITY
- MATERIAL SIZE LIMITATIONS
- FLUTTER
- AERODYNAMICS AND LIFT
- CONFIGURATION

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Today: Boeing San Antonio - Making a Difference For our Customers

Services:
- Depot-level maintenance
- Modifications
- Inspections
- Drop-in work
  - C-17
- Logistics support
  - Supply chain
  - Support equipment
  - Planning
- FAA repair station
- PC 700 (Parts and Support)

Programs:
- Defense Maintenance, Repair & Overhaul (MRO) Services:
  - C-17 Maintenance
  - KC-135 avionics
- Commercial:
  - 787 Test Fleet Refurbishment (Completed Aug. 2014)
  - 787 Maintenance
Our Future: Achieving Functional Excellence

- Defense MRO and Commercial
  - Establishing San Antonio as a Center of Functional Excellence
  - Opportunities for platforms and systems beyond current portfolio

We Want San Antonio to be the Preferred Destination for Support Services Regardless of Program
QF-16 – Cecil Field Florida

QF-16 Full-Scale Aerial Target

Video: “QF16 Aerial Target Program”
787 Dreamliner – Test Fleet Refurbishment