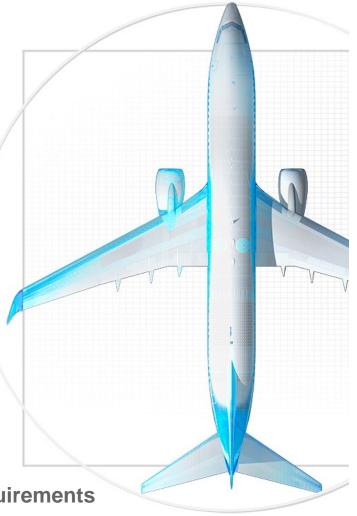


Global Design and Manufacturing

Terry Beezhold Chief Program Engineer, 777X Airplane Development, Boeing Commercial Airplanes

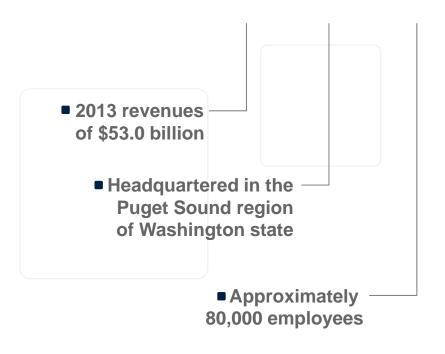
## What We Do Today

- Design, assemble and support commercial jetliners
  - Boeing 7-series family of airplanes leads the industry
  - Commercial Aviation Services offers broad range of services to passenger and freight carriers
- Design, assemble and support defense systems
  - World's largest designer and manufacturer of military transport, tankers, fighters and rotorcraft
  - Global Services & Support provides services to government customers worldwide
- Design and assemble satellites and launch vehicles
  - World's largest provider of commercial and military satellites; major service provider to NASA and prime contractor for the International Space Station
- Integrate and support large-scale systems; develop networking technology and network-centric solutions
- Provide financing solutions focused on customer requirements
- Develop advanced systems and technology to meet future customer needs



Connect and protect people globally

## **Boeing Commercial Airplanes**



- Offering a family of airplanes and a broad portfolio of aviation services for passenger and cargo carriers worldwide
  - Boeing airplanes represent three quarters of the world's fleet, with nearly 12,000 jetliners in service
  - Approximately 70 percent of Boeing Commercial Airplane sales (by value) go to customers outside the United States



The industry's source for customer-focused solutions

Copyright © 2014 Boeing. All rights reserved.

## A Day In The Life Of Boeing Commercial Airplanes



- Today....there will be more than 4 million people flying on Boeing airplanes
- Today....there will be more than 30,000 departures of Boeing aircraft
- Today....Boeing aircraft will travel more than 38 million miles (that's going to the moon and back more than 80 times)

-

## One Boeing, A Global Enterprise













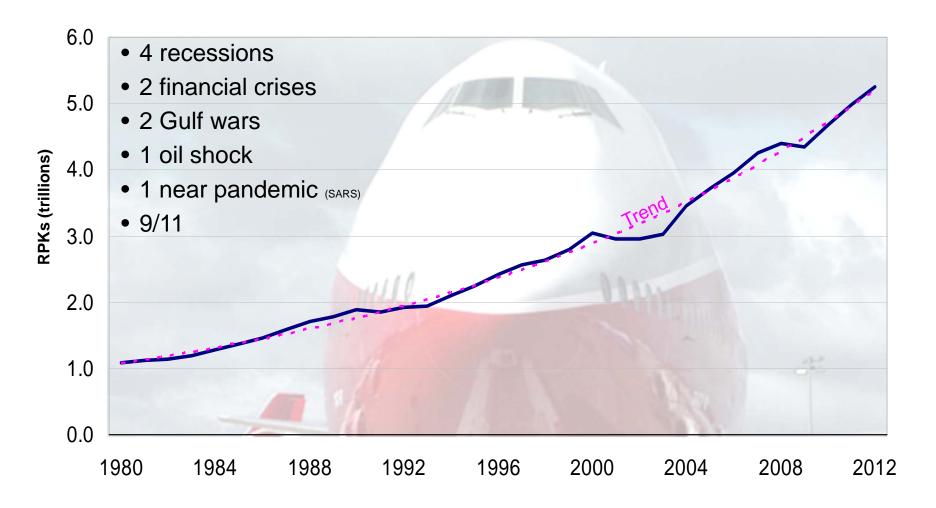




World wide reach

Copyright © 2014 Boeing. All rights reserved.

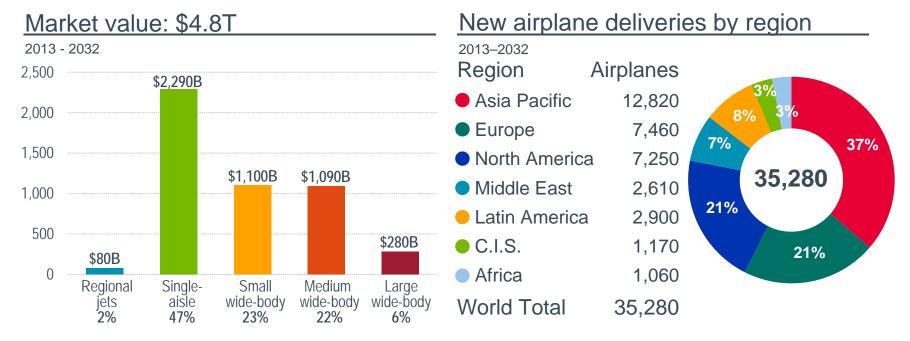
### World Air Travel Has Grown 5% Per Year Since 1980



RPKs = Revenue Passenger Kilometers Source: ICAO scheduled traffic



#### Airlines Will Need More Than 35,000 New Airplanes Valued At \$4.8 Trillion



### **Commercial Aviation**

An Economic Engine

\$2.2 trillion

of global economic impact

3.5% of global GDP supported

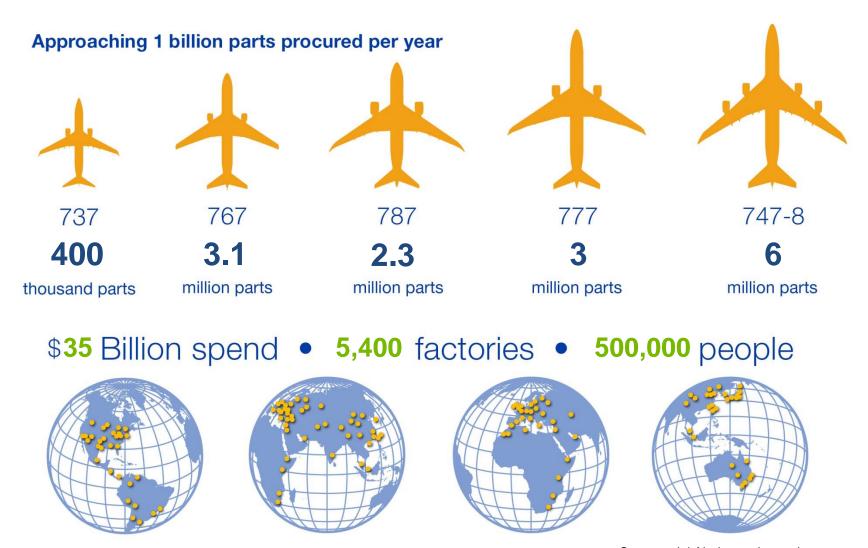
# **Over 50 million**

jobs supported by aviation worldwide



Source: "Aviation: Benefits Beyond Borders" report, Air Transport Action Group (ATAG), March 2012

## Boeing Commercial Airplanes Global Supply Chain



### **International Collaboration**

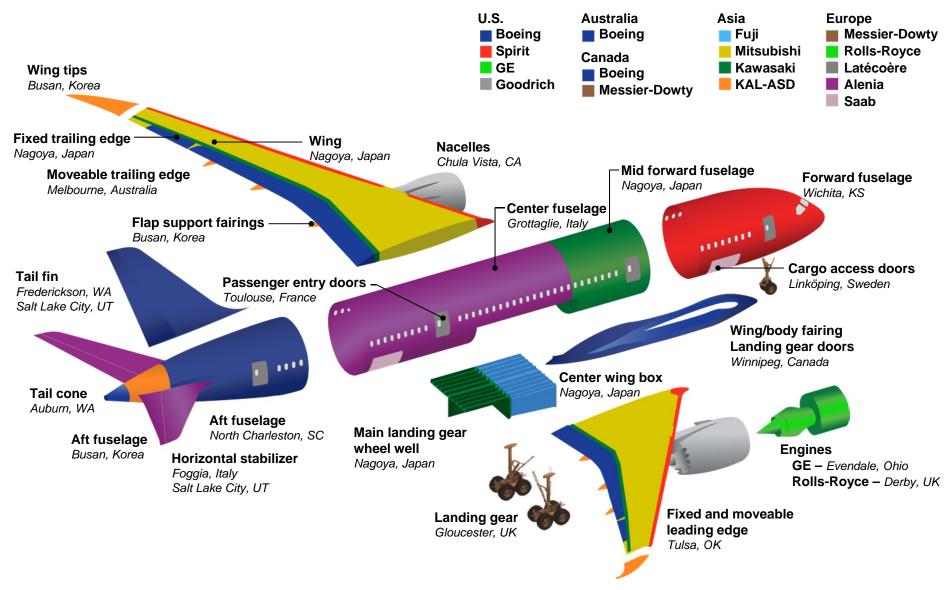
- Japan 60 years
  - Commercial and defense customers.
  - OEM, Supply Chain, Environment, Research
- China 40 years
  - #1 BCA international market
  - OEM, Supply Chain, Environment, Research
- United Arab Emirates 20 years
  - Commercial and defense customers
  - Supply Chain, Environment
- Russia 20 years
  - Commercial customers, Ti supply
  - Space, Engineering, Services
- Brazil Increasing engagement
  - Commercial customers
  - OEM, Environment, Research







## Global Partners Bring the 787 Together



12

## The Challenge, Global Integration

• Single, integrated management system

Common engineering tools and methods

• Single, integrated manufacturing schedule



Long-term capacity planning

## One world, one team, one plan

