- Founded in 1916 in Puget Sound, Washington State
- Became a leading producer of military and commercial aircraft
- Undertook a series of strategic mergers and acquisitions to become the world’s largest, most diversified aerospace company
  - Aerospace pioneers, which are now part of the Boeing enterprise, include:
    - North American Aviation
    - McDonnell Douglas
    - Rockwell International (space and defense business)
    - Hughes Space & Communications
    - Jeppesen

A heritage that mirrors the history of flight
• Global reach: Customers in more than 90 countries
  • Total revenue in 2008: $60.9 billion (41% from international sales)
  • 70% of commercial airplane revenue historically from customers outside the United States
• Manufacturing, service and technology partnerships with companies around the world
  • Contracts with 22,000 suppliers and partners globally
• Research, design and technology-development centers and programs in multiple countries
• More than 159,000 Boeing employees in 49 states and 70 countries

Partnering worldwide for mutual growth and prosperity
**Boeing Commercial Airplanes**

- Headquartered in the Puget Sound region of Washington state
- 2006 revenues of $28.3 billion
- Approximately 68,000 employees
- 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 10 percent of Boeing commercial airplane sales (by value) go to customers outside of the United States

**Integrated Defense Systems**

- Headquartered in St. Louis, Mo., with global operations in 4 nations and 21 states
- Formed in 2002 integrating Boeing’s defense, space, intelligence and communications capabilities
- Designing, building and supporting net-enabled platforms and systems for government and commercial customers
- Balanced backlog across all markets including a strong mix of development, production and support contracts
- 2006 revenues of $12 billion
- Approximately 75,000 employees

**Boeing Capital Corporation**

- Headquartered in the Puget Sound area of Washington state
- Financing subsidiary of The Boeing Company
- Focused on assets that are critical to the core operations of Boeing customers
- Arranging and/or providing financing for customers of Boeing products
- Year-end 2008 portfolio of $5.7 billion

**Engineering, Operations & Technology**

- Formed in 2006 to establish technical and functional excellence for the enterprise by maximizing Boeing’s R&D yield
- Ensuring technology readiness
- Providing efficient, effective, secure IT solutions
- Protecting, leveraging intellectual property
- Executing safe and efficient test operations
- Driving environment, health & safety performance
- Establishing common systems/processes for Engineering, Operations and Supplier Management
- Be a catalyst of innovation
- Ensure technology readiness
- Maximize R&D yield
- Attract, develop & retain the people & skills needed for business success
- Focus on mid-long term technology solutions
Created at the start of 2002, first Boeing R&D company created in Europe

Incorporated under the laws of the Kingdom of Spain: European Union Company

Wholly-owned subsidiary of the Boeing Company

Located near Madrid-Barajas Airport

Staff of around sixty employees, fifty of which are engineers and scientists

Technical and Engineering Staff recruited across Europe

Presence in Brussels for effective relations with European organizations
To work with partners across Europe in research and technological development, in order to foster innovation, excellence and competitiveness within the European R&D community.
Development of enabling technology that will help shape the future airspace management system.

Main activities are focused on advanced trajectory management and flight efficiency optimization.

Currently working on the following fields:

- Aircraft Intent Description Language (AIDL)
- System Wide Information management (SWIM)
- Aircraft performance model (BADA4.0 for Eurocontrol)
- Continuous descent approaches of maximum predictability
- Development of high fidelity simulation capabilities
Investigate and analyze the level of safety associated to any change introduced in an aviation system from both the technical and the human factor (errors associated to a human action) perspective.

Currently working on the following fields:

- Safety and human factors analysis of Boeing products and processes.
- Risk management identifying emerging threats to aviation systems.
- Human performance uncertainty safety assessment tools.
- Reduced aircraft separation minima.
Facilitate the unmanned aviation integration in non segregated airspace by supporting the rulemaking process and developing enabling technologies supported by test beds aimed at demonstrating the business case viability, while achieving the expected levels of safety.

Currently working on the following fields:

- First AIDL test bed – ATLANTIDA
- Trajectory computation infrastructure / Advanced aircraft performance model
- Advanced control and de-confliction algorithms
- Advanced operational concepts
- First initiative to establish a cargo application of UAS
- First design of a fuel cell-powered UAS
Develop state of the art technologies and tools to support decision making and risk management.

Currently working on the following fields:

- Border protection: migration management
- Biosecurity: disease propagation
- Decision-aid technologies
- Analysis of alternatives, business cases and economic analysis
Research and develop products, services and technologies that contribute to a more sustainable aerospace industry

Currently working on the following fields

- Replacement of hazardous materials: Cr & Cd
- Self-cleaning coatings
- Green composites
- Fuel cell powered UAS
- Carbon nanofiber reinforced structural composites
- SHM
Cross-disciplinary and supporting Projects

Build networks and connect to the (European) R&D community in the relevant areas supporting our activities

Currently working on the following fields

- Effects-Based Operations
- Cooperating Objects
The BR&TE Lab has been created to support experimentation and validation of BR&TE technologies and concepts of operations that involve collaboration with external partners and contractors.

In addition, the lab design will support the R&D activities that require a testing environment for non-standard hardware devices and software.

**Current BR&TE Projects using the BR&TE Lab:**

- **Trajectory Computation Engine** - ATLANTIDA Project
- **Digital Aircraft Performance Models** - ATLANTIDA Project
- **UAS Flight Control System** - ATLANTIDA Project
- **UAS Flight Management System** - ATLANTIDA Project
- **Advanced Conflict Detection & Resolution** - ATLANTIDA Project
- **Discrete Event Simulation Engine** - ATLANTIDA Project
- **General Purpose Analysis Tool** - ATLANTIDA Project
- **Middleware Interfaces** - ATLANTIDA/SWIM-SUIT Project
- **SWIM Adapter Component** - SWIM-SUIT Project
- **Multi Agent Decision Making Tool** - INTEGRA Project