Boeing in Spain

Boeing has been present in Spain for more than 85 years, serving the needs of commercial airline customers and maintaining a long-standing collaboration with the Spanish aerospace industry. Boeing has also been a longtime supplier of airplanes, helicopters and systems to the Spanish military. Boeing Research & Technology–Europe, which is led from Madrid, produces innovative ideas to meet the needs of Boeing and its customers in areas such as model-based engineering, avionics systems, airspace and autonomous operations efficiency, materials and manufacturing technologies.

In 2018, Boeing spent more than $150 million with suppliers based in Spain. In 2017, Boeing activities supported more than 5,000 jobs. About 2,000 people are employed as a result of Boeing operations, its purchases and the spending of those employed directly or in its supply chain, and about 3,000 jobs are supported by the supply of equipment and services directly to Boeing customers (known as consequential impact).

OUR COMMITMENT AND PARTNERSHIP

- 1934 Boeing partnership with Spain started
- 17 CH-47 Chinook helicopters in the Spanish Army fleet
- 3.5M+ passengers have flown on Air Europa 787 Dreamliners
- 17+ years of innovation at Boeing Research & Technology–Europe in Madrid
- 7 Tier 1 Boeing suppliers in Spain
- 70+ Boeing employees across Spain

INVESTMENTS

Boeing investments in Spain have helped grow the local aerospace sector, creating jobs and driving innovation for mutual benefit.

- $150M+ spent annually in Spain
- $10.5M invested every year in research and development
- 5,000 indirect and direct jobs supported by Boeing in Spain

COMMUNITY ENGAGEMENT

Boeing actively supports corporate social responsibility projects in Spain that benefit the local communities in which the company operates.

- 330+ students have participated in the Newton project in Lugo, Galicia
- 225 students have participated in Rozas Airborne Research Center drone workshops
- $125K annual investment in Boeing Global Engagement programs across the country
**BOEING IN SPAIN**

**Boeing Commercial Airplanes**

Since it began operations, Boeing has recorded over 300 direct deliveries to Spanish airlines for both passenger and cargo transport. Spanish operators include the 717, 737, 747, 757, 767, 777 and 787 Dreamliner. Air Europa was the first Boeing 787 Dreamliner Spanish customer, ordering eight 787-8s and 14 787-9s. In April 2016, it was the first Spanish operator to incorporate the 787 into its fleet, beginning to offer its passengers the cabin comfort of this aircraft. In February 2018, Air Europa took delivery of its first 787-9.

In June 2018, CAE presented a Boeing 787-9 simulator at its Las Rozas facilities, close to Madrid-Barajas Airport. The simulator serves to meet the demand for training Air Europa pilots.

Boeing maintains mutually beneficial relationships with various Spanish companies, especially with seven Tier 1 suppliers participating in key commercial programs: Aciturri, Aernnova, Airbus, Airgrup, Alstis, MTorres and Neotec.

**Boeing Defense, Space & Security**

Boeing supplies high-technology military systems to Spain. The equipment, materials and platforms manufactured by Boeing have always been highly rated by the three branches of the Spanish armed forces.

In January 2019, Boeing announced it will upgrade all 17 of Spain’s CH-47D Chinook helicopters to the F-model configuration, adding features such as the digital automatic flight control system, common avionics architecture system and advanced cargo handling. The order is the first from a non-U.S. customer, placed through a contract Boeing and the U.S. Army signed in July 2018. The Chinook is the largest and most powerful helicopter in the Spanish Army. The fleet was upgraded to the Delta version with several Spanish partners participating in this effort, including CASA, AISA, ITP, Indra, DTD and Gamessa.

The EF-18 Hornet (E for España) fighter planes that Boeing supplied have become the backbone of the Spanish Air Force and have taken part in numerous peace missions.

The offset program for these aircraft meant a 100% return on investment and a strong boost for the Spanish aerospace industry.

**Boeing Research & Technology–Europe**

With its main office near Adolfo Suárez Madrid-Barajas International Airport, plus a fully integrated presence in the U.K. and Germany, Boeing Research & Technology–Europe (BR&T–Europe) was the first research center established by Boeing outside the United States. Since it opened in 2002, its mission has been to work with partners across Europe in research and technology development to foster innovation, excellence and competitiveness. BR&T–Europe has a staff of more than 70 employees, most of whom are engineers and scientists recruited from across Europe. It has become a key technology integrator, collaborating with more than 40 universities, 20 research centers, five airlines and more than 200 industry partners in 25 different countries. In Spain, BR&T–Europe’s strong engineering workforce focuses on model-based engineering, systems engineering and autonomy, and processes and tools to accelerate program delivery and to reduce risk and development cost.

**Boeing Global Engagement**

Since 2004, Boeing has supported more than 20 educational and community projects with 11 nongovernmental organizations in Spain. Boeing currently funds four projects in Spain focused on education for the local communities:

- **Newton:** In 2019, Boeing, in partnership with the Norwegian company FIRST Scandinavia, launched the Newton Concept in Europe. Newton Room mobile classrooms introduce the Newton Concept to students, teachers and educational authorities. The first Newton Room visited Lugo in Galicia for three weeks between October and November, and more than 330 students participated. A permanent Newton room in Spain is planned.

- **Volando Juntos:** In 2018, Boeing celebrated a decade of support for Volando Juntos, a program, developed in cooperation with Cooperación Internacional, that promotes the social inclusion of at-risk children ages 6 to 11 in Madrid through a daily, yearlong after-school homework club.

- **Fundación Infante de Orleans:** In 2018, Boeing launched a new STEM educational project with Fundación Infante de Orleans aviation museum, located south of Madrid. STEM activities and workshops (3D printing, robotics, cyber security) reached 300 children.

- **The Association of Army Orphans:** In 2018, Boeing partnered with the Association of Army Orphans (Patronato de Huérfanos del Ejército de Tierra, or PAHUEJT), to enable three years of higher education and/or workforce skills development for children of members of the Spanish Army who lost their lives in service.

**IN–COUNTRY FLEETS**

**Commercial**

- Air Europa: 8 787 Dreamliners and 20 737-800s
- Volotea: 17 717-200s
- Wamos Air: 5 737-400s

**Defense**

- Spanish Air Force: 80+ EF-18 Hornets
- Spanish Army: 17 CH-47D Chinooks
- Spanish Navy: 12 AV-8B Harriers

- ScanEagle

**A HISTORY OF PARTNERSHIP**

- 1934: Boeing appoints its first commercial representative in Spain
- 1944: Iberia buys three DC-3s and will add its first DC-4 five years later
- 1973: The Spanish Army receives its first CH-47C Chinook helicopter units
- 1982: The Spanish government orders 72 EF-18 Hornet fighter jets, the largest purchase of fighter jets ever made; it will purchase another 24 aircraft
- 2001: Boeing opens new main offices in Madrid
- 2002: Boeing Research & Technology–Europe opens in Madrid
- 2008: Air Europa finalizes an order for eight 787 Dreamliners, with options for eight more
- 2018: Boeing delivers the first 787 Dreamliner to Air Europa
- 2019: Boeing announces it will upgrade all 17 of Spain’s CH-47D Chinook helicopters to the F-model configuration

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