



## BUILDING THE FUTURE TOGETHER

# Boeing in Turkey

Boeing has had a strong, long-standing partnership with Turkey for more than 70 years. As a trusted partner of the Turkish aerospace industry, Boeing supports both airline operators with commercial jets and the government with defense platforms.

Boeing operates in two main locations in Turkey: Ankara and Istanbul. The company, working closely with local industry, invests \$180 million annually in work placement in Turkey. Boeing programs currently support nearly 5,000 jobs in the country. As Boeing expands its partnership with customers and stakeholders in Turkey, the company announced a strategic partnership program in 2017 called National Aerospace Initiative (NAI). As part of its commitment to grow in Turkey under NAI, Boeing opened its Engineering and Technology Center in Istanbul in December 2018.

## OUR COMMITMENT AND PARTNERSHIP

 <b>70+</b> years of partnership between Boeing and Turkey	 <b>2017</b> National Aerospace Initiative signed between Boeing and Turkey	 <b>5,000</b> jobs supported in Turkey through Boeing programs
 <b>345+</b> Boeing aircraft delivered to Turkish carriers since 1968	 <b>1,000+</b> aviation professionals trained	 <b>8</b> strategic research, technology and education partnerships with Turkish universities

## INVESTMENTS

Boeing investments in Turkey contribute to the growth of the local aerospace sector, create jobs and drive innovation for mutual benefit.

 <b>\$2B</b> invested in Boeing supply chain work placement in Turkey	 <b>\$2M+</b> invested in research and technology in Turkey	 <b>\$10M</b> invested in community programs in Turkey
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## SUPPLY CHAIN DEVELOPMENT AND COMPETITIVENESS

Boeing supports Turkish industry's integration into the global aerospace supply chain through the supplier development program.

 <b>ALL</b> Boeing commercials programs (737, 747, 767, 777, 787) include a part made in Turkey	 <b>\$180M+</b> annual value of Boeing supply chain work placement in Turkey	 <b>20+</b> Boeing suppliers across the supply chain in Turkey
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## BOEING IN TURKEY

### Boeing Turkey NAI

In 2017, Boeing and Turkey launched the National Aerospace Initiative (NAI), a strategic partnership that contributes to both the growth of Boeing in Turkey and the growth and competitiveness of Turkey's aerospace sector, in conjunction with targets set by Turkey's Vision 2023. NAI focuses on four key pillars of collaboration: Industrial Development, Technology Acceleration, Services Collaboration and Advanced Skilling.

**Industrial Development:** NAI aims to support industrial capability development, broaden supply base and improve bid win rate among Boeing suppliers in Turkey. The Supplier Development Program (SDP) is a key NAI component, which includes industrial training, assessment, mentoring and development activities. This program envisions a greater share for the Turkish aerospace industry in Boeing's global aerospace supply chain.

**Technology Acceleration:** NAI aims to grow Boeing's engineering and technology footprint in Turkey. In this framework, the Boeing Turkey Engineering and Technology Center opened in Istanbul in December 2018. The center develops technologies that Boeing adopts globally and partners with local universities while adding to the existing engineering capabilities in Turkey, bringing the country closer to its target to become a global player in aerospace.

**Services Collaboration:** NAI aims at positioning Turkey as a regional hub expanding Boeing partnerships with Turkish maintenance, repair and overhaul (MRO) providers to service the global Boeing fleet. With the signing of the Global Fleet Care Agreement in 2018, Turkish Technic was positioned as a strategic regional supplier for Boeing for airplane line maintenance and heavy maintenance as well as component services and repair.

**Advanced Skilling:** NAI aims to deliver training programs for strategic skills critical to Turkey's fast-growing aerospace sector. Boeing's simulator investment for expanded flight training capacity in partnership with Turkish Airlines (THY) is a key initiative. Another major partnership includes the joint master's program in aerospace structures and materials that Boeing launched with Istanbul Technical University (ITU) and Turkish Aerospace (TA) in 2019.

These investments constitute the foundation of a long-term, successful partnership between Boeing and Turkey as the company continues to expand collaboration with world-class partners in industry, services, engineering and academia in the country.

## IN-COUNTRY FLEETS AND SERVICES

### Commercial



294 Boeing aircraft in operation among four Turkish carriers

**Turkish Airlines and SunExpress:** 112 aircraft on order (737 MAX, 787, 777F)

**Turkish Aerospace:** Key supplier (787, 737, 737 MAX, 777, 777X, 767)

**KALE Aero:** Key supplier (737, 747-8, 767, 777, 777X)

**Turkish Cabin Interiors:** Galley producer

**Turkish Seat Industries:** Seat producer

### Defense



11 CH-47F Chinooks

4 AEW&C Peace Eagles

49 F-4 Phantoms

7 KC-135 tankers

### Services



**THY Flight Training Center:** Pilot training program partnership

**THY Flight Academy:** Part of Boeing flight academy network

**Turkish Technic:**

- Regional maintenance hub through Global Fleet Care agreement
- Regional Landing Gear Exchange partnership
- Boeing maintenance training delivery partnership

### Boeing Commercial Airplanes

Boeing and THY share a long history that began in 1945 with the arrival of THY's first DC-3/C-47 airliners. THY entered the jet age in the late 1960s, when the airline began operating DC-9, DC-10 and Boeing 707 airplanes. Over the years, Turkish carriers have also flown 727, 757, MD-80 and, of course, modern 737 and 777 airplanes. Boeing has also developed mutually beneficial relationships with key customers in Turkey such as SunExpress (the joint venture of THY and Lufthansa) and Pegasus Airlines.

### Boeing Global Services

Turkish Technic, a subsidiary of THY, is a world-class maintenance center for the 737, with certifications from regulatory authorities throughout the region and beyond. The Global Fleet Care agreement with Turkish Technic has positioned the THY maintenance arm as a regional MRO provider for Boeing aircraft. Boeing has also partnered with THY Flight Academy on a pilot training program and invested in simulator training capability in the THY Flight Training Center in Istanbul.

### Boeing Defense, Space & Security

Boeing's engagement with the Turkish Armed Forces dates back to the 1970s, when McDonnell Douglas delivered the first F-4 Phantom fighter aircraft to the Turkish Air Force.

In 2002, Boeing and Turkey partnered for the joint development and production of four Airborne Early Warning and Control (AEW&C) systems. The delivery of these aircraft to the Turkish Air Force was completed in 2015.

Today, Turkey also operates 11 CH-47F Chinook helicopters.

### Research, Technology and Education Partnerships

Partnering with several universities and companies in Turkey to foster aerospace innovation, Boeing has invested more than \$2 million in research, technology and technical aerospace education in Turkey. Boeing currently has eight technical partnership programs in Turkey focused on aerospace technologies, including joint research and technology projects as well as engineering and technical education initiatives.

## A HISTORY OF PARTNERSHIP

1945

First DC-3 from Douglas Aircraft (Boeing legacy company) joins the THY fleet

2002

Boeing and Turkey sign a contract for joint development of four AEW&C aircraft

2013

Boeing-ITU Research and Education Partnership is launched

2015

Boeing completes delivery of four joint-production AEW&C Peace Eagle aircraft to the Turkish Armed Forces

2017

Boeing Turkey NAI and Boeing Turkey SDP are launched

2018

Boeing Turkey Engineering and Technology Center opens in Istanbul

Boeing and Turkish Technic sign a Global Fleet Care agreement

2019

Boeing and THY kick off their pilot training partnership  
Boeing delivers the first THY 787-9