



## BUILDING THE FUTURE TOGETHER

# Boeing in the UAE

The Boeing Company shares a long-standing relationship with the United Arab Emirates (UAE). From air transport and aviation support services to defense and satellite systems, Boeing has worked closely with UAE civil and defense authorities to achieve the country's objectives and ambitions.

The UAE has emerged as a global air transport hub, thanks to its unique geographical position and a strategically planned approach to growing its aviation sector. Over the past few years, its airlines have grown in both influence and reach. They currently operate scheduled passenger and cargo flights to more than 160 destinations across six continents.

## OUR COMMITMENT AND PARTNERSHIP

 <b>1978</b> First Boeing airplane delivered to the UAE (VIP airplane to Dubai Amiri fleet)	 <b>995</b> Boeing airplanes ordered by UAE customers to date	 <b>147</b> Boeing 777s in the Emirates fleet
 <b>71</b> 787s ordered by Etihad Airways—the largest 787 customer in the Middle East	 <b>3</b> Boeing 702 satellites operated by Thuraya Satellite Telecommunications	 <b>168</b> Boeing employees across the UAE

## INVESTMENTS

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

 <b>2</b> Tier 1 suppliers, STRATA and TPI	 <b>\$2.5B</b> commitment to purchase advanced composite aerostructures and metallic parts	 <b>4</b> R&D projects in the UAE with STRATA and SBRC
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## COMMUNITY ENGAGEMENT

Boeing is proud to support science education and leadership training in the UAE through work with community partners.

 <b>4</b> nonprofit and university partners in the UAE	 <b>3</b> Boeing internship and apprenticeship programs for UAE youth	 <b>\$2.9M</b> in charitable giving to university and nonprofit partners since 2007
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# BOEING IN THE UAE

## Boeing Commercial Airplanes

Boeing airline customers in the country include Emirates, Etihad Airways and flydubai as well as aircraft lessors Dubai Aerospace Enterprise and Novus Aviation Capital.

Emirates is currently the world's largest 777 operator, with over 147 of the aircraft in its fleet. The airline is also a launch customer for the 777X, with orders for 115 airplanes. In 2019, the airline also announced an order for 30 787 Dreamliners.

Etihad Airways is Boeing's largest 787 customer in the Middle East with a total order of 71 Dreamliners. The airline also operates 777 aircraft and is one of the launch customers for the 777X, with 25 on order.

flydubai became the region's largest customer for the 737-800 when it placed an order for 50 of the airplanes in 2008. In 2013, flydubai ordered 75 737 MAXs, the first of which was delivered in 2017. That same year, flydubai struck another landmark agreement with Boeing for up to 225 737 MAXs, representing the largest-ever single-aisle jet order from a Middle East carrier.

## Boeing Defense, Space & Security

Defense, Space & Security products provided to the UAE include 26 AH-64 Apache and 19 CH-47 Chinook helicopters. In addition, Thuraya Satellite Telecommunications operates 3 Boeing 702 satellites. The UAE also operates 8 C-17 Globemaster III heavy-lift aircraft, as well as 14 Insitu Integrator and 20 Insitu Integrator ER systems.

## Boeing Global Services

From its Dubai distribution facility, Boeing provides sales and customer service support to the commercial airline industry, military customers and business aviation in the wider region.

Jeppesen, a Boeing company, also bases its regional headquarters in Dubai and is the world's leading provider of information management, operational efficiency, optimization and disruption management tools for pilots and aircraft operators.

Boeing also provides comprehensive engineering and technical data solutions. The company holds aircraft interiors Design Organization Approval (DOA) certifications from the UAE General Civil Aviation Authority and the European Aviation Safety Agency.

In the UAE, Boeing Global Services provides performance-based logistics sustainment support of the UAE's AH-64D Apache helicopters. For the UAE's C-17 fleet, Boeing also provides sustainment and heavy maintenance, as well as a C-17 aircrew training center.

## Partnerships

In 2012, Boeing and Mubadala announced a 10-year contract for Strata Manufacturing (STRATA) to produce ribs for the empennage of the 777 aircraft and vertical fin ribs for the 787.

In 2016, the companies announced that STRATA would expand its work statement for Boeing as a supplier of the 787-vertical fin. Additionally, Boeing agreed to source pre-impregnated composite materials for the new 777X from a new, UAE-based joint venture created by Mubadala and Solvay, making Boeing its first customer.

Boeing's partnership with the Tawazun Economic Council has enabled key industrial initiatives since 2013. In 2015, Tawazun Precision Industries (TPI), an Edge Group subsidiary, and Boeing announced the first award of complex metallic machined parts for Boeing aircraft to be built at TPI. This partnership led to another commitment between Tawazun Economic Council and Boeing, which expands the UAE's industrial base by enabling advanced materials manufacturing. In 2019, Tawazun, Boeing and TPI celebrated the opening of TPI's all-new aerospace surface treatment facility in Abu Dhabi.

Boeing has also worked with the Masdar Institute, Etihad Airways and UOP to establish the Sustainable Bioenergy Research Consortium (SBRC), a partnership to develop sustainable, available biofuel in the UAE. Boeing and its research partners, which include Abu Dhabi National Oil Company Refining, GE, Bauer Resources and Safran, made breakthroughs and found that seawater-fed desert plants, grown in Abu Dhabi, produce biofuel more efficiently than other well-known feedstocks. In January 2019, Etihad flew the first commercial flight using sustainable fuel.

## Boeing Global Engagement

Boeing has worked closely with the UAE to support the achievement of the country's objectives and ambitions. Boeing is also proud to support science education and leadership training in the UAE through work with community partners. Those include four non-profit university partners and three internship apprenticeship programs for the UAE youth, with an estimated investment value of \$2.9M, since 2007.

### STEM Education

Boeing collaborated with Amideast UAE and Pure Minds Education to launch the "STEM Pioneers Program," an empowering educational program that uses STEM, with a focus on aerospace. The six-month program, launched during Expo 2020, directly benefits more than 180 students aged 13 to 15 from five private schools in Dubai.

### Women Empowerment

Boeing worked with Education for Employment (EFE) as part of an expanded regional partnership to launch a digital marketing training program for young female Emirati entrepreneurs to successfully launch their new businesses. The program aimed to provide 50 Emirati female entrepreneurs with the digital marketing skills needed for today's digital economy.

### University Relations

Boeing is a proud partner of two aviation and aerospace-focused universities in the UAE: Khalifa University (since 2012) and Emirates Aviation University (since 2017), supporting hands-on experiences that enhance classroom learning through multi-student design projects and competitions, with emphasis on team participation. Funding also supports enhancements to classroom curriculum that strengthen the education experience and skills development.

Recently, Boeing collaborated with Emirates Aviation University (EAU) for the fifth time on its annual Water Rocket Competition. Close to 100 students and future engineers across 12 UAE schools participated.

# A HISTORY OF PARTNERSHIP

1978

Boeing delivers first VIP airplane to Dubai Amiri fleet

1998

Boeing Service Center opens in Dubai

2007

Jeppesen establishes Middle East hub in Dubai

2010

SBRC established

2013

Historic order for 259 777Xs, worth more than \$95 billion, placed at Dubai Airshow  
flydubai orders 75 737 MAXs

2014

STRATA delivers first 777 empennage rib shipset to Emirates

Boeing delivers Etihad's first 787-9

2015

Boeing and TPI break ground on new aerospace facility

STRATA's first shipset of 787 vertical fin ribs installed in a 787-9 delivered to Etihad Airways

2017

Emirates Flight Training Academy (EFTA) selects Boeing customized, integrated software system for managing cadet training

flydubai orders 225 737 MAXs

Tawazun Economic Council and Boeing sign agreement enabling expansion of the UAE's advanced material manufacturing industry

2019

Etihad flies the world's first flight using seawater-grown fuel made in the UAE

# IN-COUNTRY FLEETS

## Commercial



### Emirates

147 777s (direct purchase and leased)  
115 777Xs on order  
30 787s on order

### flydubai

33 737-800s  
30 737 MAXs  
156 737 MAXs on order

### Etihad

11 777-300ERs  
5 777 Freighters  
25 777Xs on order  
39 787s delivered  
32 787s on order

## Defense



### UAE Armed Forces

26 AH-64 Apaches  
19 CH-47 Chinooks  
8 C-17 Globemaster IIIs  
3 Boeing 702 satellites  
14 Integrator UAVs  
20 Integrator ER UAVs

## Services



### Commercial Aviation Services

777 Component Services Program, 777 Landing Gear Shipset, 777 Training, 787 Quick Engine Change Kits, Maintenance Training Classroom, Stream, Wind Updates and Interiors Mods, Consumables Consignment agreement

### UAE Armed Forces Services

C-17 Globemaster III Integrated Sustainment Program, C-17 Simulator Training, AH-64D Performance Based Logistics for A/D Common Components