



## BUILDING THE FUTURE TOGETHER

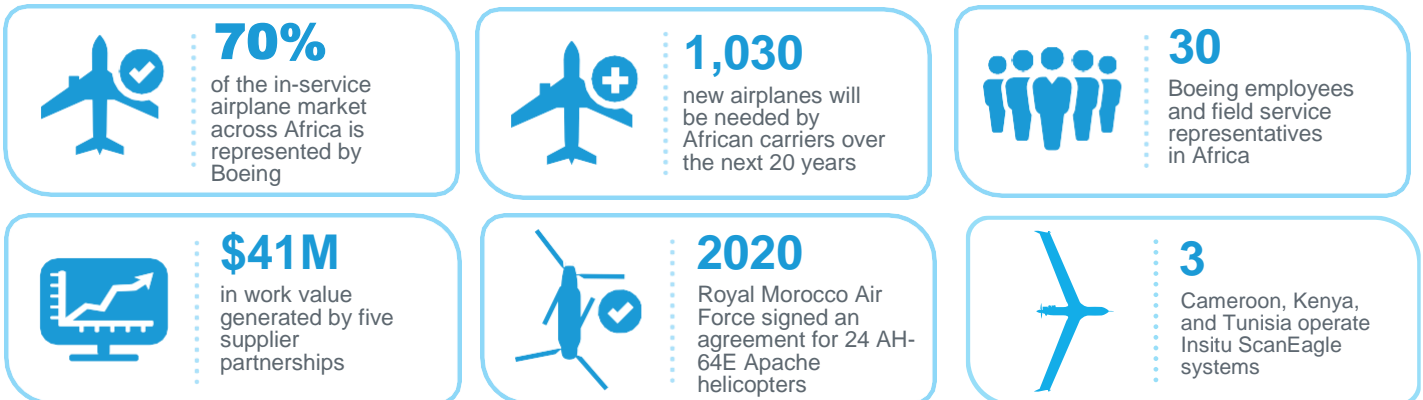
# Boeing in Africa

Boeing's heritage in Africa dates back nearly 75 years. Since the introduction of the jet airplane, Boeing planes have formed the backbone of the continent's commercial fleet. With more than 60 airline customers operating about 500 Boeing airplanes throughout Africa, Boeing represents nearly 70% of the airplane market currently in service across the continent.

The company's military aircraft legacy in Africa goes back to World War II, when Boeing heritage company Douglas Aircraft established a top-secret aircraft maintenance facility in Ethiopia, "Project 19," to serve Allied air commands in North Africa.

Currently, Boeing has offices in Johannesburg, South Africa, in addition to field service representatives with commercial customers across the continent.

## OUR COMMITMENT AND PARTNERSHIP



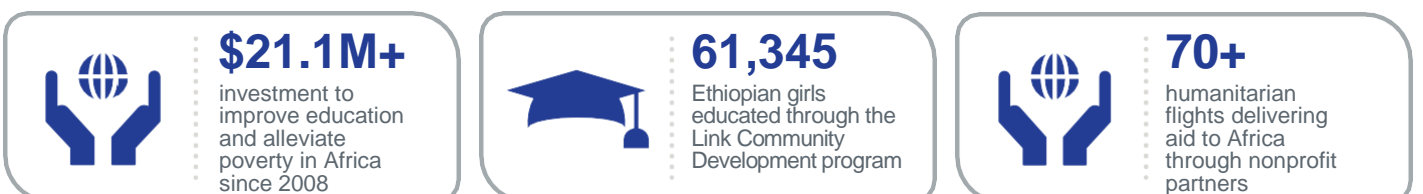
## INVESTMENTS

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



## COMMUNITY ENGAGEMENT

Boeing is focused on providing systemic improvements in education and economic empowerment for those in poverty, to develop 21st-century skills such as digital employability, entrepreneurship and STEM.



# BOEING IN AFRICA

## Boeing Commercial Airplanes

With a legacy of over seven decades in Africa, Boeing has played a vital role in the continent's aviation industry. This relationship continues to strengthen as Boeing aircraft, including the 787 Dreamliner, 777 and 737 MAX, power the growth of the modern-day African airline fleet.

Graced by vast natural resources and an expanding young workforce, Africa is forecast to see strong traffic and airplane demand growth in the next two decades.

Boeing forecasts that African carriers will require 1,030 new jet aircraft deliveries over the next 20 years, 75% for growth of the current fleet. Single-aisle airplanes will constitute 72% of the projected new deliveries. African airlines are also forecast to need nearly 250 twin-aisle aircraft for longer-range and higher-capacity growth markets.

In October 2019, Boeing and Ethiopian Airlines signed a strategic MoU to help position Ethiopia as Africa's aviation hub. This agreement includes four areas of partnership: Industrial development, advanced aviation training, educational partnership, and leadership development

Boeing also signed a MOU to help Air Tanzania advance through capacity Building. This will help in advancing Tanzania's aviation industry especially around leadership, safety and strategy.

## Boeing Defense, Space & Security

The Royal Moroccan Air Force (RMAF) currently operates the CH-47 Chinook. In 2015, the U.S Army delivered three surplus CH-47D Chinooks to the RMAF. Morocco has 24 AH-64 Apache helicopters on order. In 2001, Boeing delivered a 737-700 Boeing Business Jet (BBJ) to the South African Air Force, making it the first BBJ based in South Africa.

The Boeing defense presence in Africa also includes the Insitu ScanEagle system in Cameroon, Kenya and Tunisia.

## Boeing Research & Technology

In 2003, Boeing inaugurated the first worldwide Ka-band antenna system and tracking facility at the Council for Scientific and Industrial Research (CSIR) Satellite Applications Centre, located northwest of Johannesburg, South Africa. Boeing invested \$5 million to fund the entire project. The company has worked with the CSIR since 2007 to develop a titanium roadmap that aligns with the mutual interests of South Africa and the aerospace industry. In 2013, a memorandum of understanding was signed to develop opportunities to incorporate titanium powder into manufacturing processes and aerospace products.

## Industrial Partnerships

Boeing works with five suppliers across Africa, with partnerships valued at approximately \$41 million.

## FLEETS

**Algeria:** Air Algérie: 32 737s; Tassili Airlines: 7 737s

**Angola:** TAAG Angola Airlines: 7 737s, 8 777s

**Burkina Faso:** Liza Transport International: 1 737

**Cameroon:** Comair-Co: 2 737s

**Cabo Verde:** Cabo Verde Airlines: 3 757-200s

**Chad:** Air Corp: 1 737

**Congo:** Canadian Airways Congo: 1 737, 1 MD-80;

Trans Air Congo: 5 737s

**Congo (Democratic Republic):** Air Force: 1 737,

1 DC-8; Gomair: 2 737s;

Serve Air: 5 727s, 4 737s;

Trans Air Cargo Service:

2 DC-8s

**Djibouti:** Air Djibouti: 1 727, 1 737

**Egypt:** EGYPTAIR: 29 737s,

6 777s, 6 787s; flyEgypt: 7 737s

Alexandria Airlines: 1 737, 1 777; AIMSria Universal Airlines: 3 737s;

AMC Airlines: 4 737s;

**Equatorial Guinea:** CEIBA Intercontinental: 3 737s,

1 767, 1 777

**Ethiopia:** Ethiopian Airlines:

24 737s, 3 767s, 20 777s,

27 787s, 4 737 MAX 8s

**Ghana:** Air Ghana: 1 737

**Kenya:** African Express

Airways: 1 DC-9-30,

1 MD-80; Astral

Aviation: 1 727, 2 747s, 1

767, 1 DC-9-30; Fanjet

767; 1 DC-9-30; 1 737;

1 737; Max Air: 6 737s

3 747s

**Reunion:** Air Austral:

1 737s, 3 777s, 2 787s

**Rwanda:** RwandAir: 6 737s

**Senegal:** Government:

1 727; Groupe Transair:

2 737s

**South Africa:** Aeronexus:

1 767; Africa Charter

Airline: 2 737s; Air Force:

1 737

1 737, 9 DC-3

FlySafari: 22 737s;

Star Air Cargo: 10 737s;

Aircraft Instrument and

Boeing, South African Airways (SAA), Roundtable on Sustainable Biomaterials, Sunchem SA and SkyNRG developed biofuel from a tobacco plant. In 2016, SAA and low-cost carrier Mango celebrated Africa's first passenger flights using sustainable biofuel.

In 2001, Boeing, Royal Air Maroc and Safran formed a joint venture, Morocco Aero Technical Interconnect Systems (MATIS) Aerospace, in Casablanca to manufacture wire bundles and harnesses. In 2008, Boeing expanded its wire harness procurement in Africa by working with Ethiopian Airlines to establish a new manufacturing facility at the airline's base in Addis Ababa.

In 2021, Boeing collaborated with RSB to launch a roadmap aimed at exploring and advancing Ethiopia's capacity to produce feedstock for use as Sustainable Aviation Fuel (SAF).

Boeing is working with Ethiopian airlines to develop course material focused on aviation sustainability for the Ethiopian aviation academy in Addis Ababa to achieve their goal of being the leading aviation hub in Africa.

## Boeing Global Engagement

Since 2006, Boeing has partnered with over 40 organizations in Africa, and invested over \$12.1 million, to support systemic improvements in education, economic empowerment and the alleviation of rural poverty.

Boeing, its airline customers and nongovernmental organizations collaborate through the Humanitarian Delivery Flight program to deliver medicine, medical equipment and educational materials to people in need. Over 70 humanitarian flights have been completed.

### Some of Boeing's other key projects:

- Renewed a 9-year partnership with Ubuntu Pathways in South Africa, that has supported both education and job training programs.
- Think Young Coding Schools in Kenya, Rwanda and Ethiopia. Girls are particularly encouraged to apply for the schools.
- 12-year partnership with Digital Data Divide (DDD) in Kenya to support online delivery of DDD's core Work-Study Program.
- Partnership with Hand in Hand, Tanzania: training farmers in the Kilimanjaro region. 90% of the participants are women.
- Expanding partnership with Injaz-Junior Achievement into Africa through 'Our Future - Tomorrow Innovators' program.
- Continued partnership in Ethiopia with Link Community Development to educate young girls – over 61,000 girls educated to date.
- Other examples: partnership Leo Lagrange in Ivory Coast; and Ubuntu pathways in South Africa, supporting the most vulnerable groups in society.

**Mozambique:** Linhas Aéreas Electronics (Pty) Ltd: 1 de Moçambique: 737;

Executive Turbine Air

Charter: 1 DC-3

**Nigeria:** Aero Contractors: 4 737s; Air Force: 1 737;

Air Peace: 13 737s, 3 777s;

Allied Air Cargo: 4 737s;

Arik Air: 11 737s;

Azman Air: 6 737s;

Dana Air: 4 MD-80s, 3 737

Emirate Touch Aviation

Services: 1 727; JedAir:

1 737; Max Air: 6 737s

3 747s

**Tanzania:** Air Tanzania:

2 787s

**Togo:** ASKY: 11 737s

**Tunisia:** Express Air

Cargo: 3 737s; Tunisair:

7 737s

**Uganda:** Grand Air: 1

737;

Zone 4 International: 1

727

**Zimbabwe:** Air

Zimbabwe:

1 767, 1 737, 2 777

FlyAfrica: 3 737

# A HISTORY OF PARTNERSHIP

1946

Ethiopian Airlines begins service with five C-47 Skytrains from Boeing heritage company Douglas Aircraft

1958

South Africa Airways the continent's first carrier to order the 707

1971

South African Airways becomes first African carrier to operate a 747-jumbo jet

1984

Ethiopian Airlines, launch customer for the 767, sets a world distance record for commercial twin-engine jets

2003

Boeing launches the first worldwide Ka-band antenna system and tracking facility in South Africa

2005

Ethiopian Airlines becomes the first African operator to order the 787 Dreamliner

2011

Boeing partners with 43 Air School to offer pilot training program in South Africa  
RwandAir launches the Boeing Sky Interior on its 737-800

2013

Kenya Airways becomes the first East African airline to operate the 777-300ER

2017

Mauritania Airlines takes delivery of the first 737 MAX 8 by an African airline

2018

Ethiopian Airlines takes delivery of its 100th aircraft, a 787-9

2022

Ethiopian Airlines orders 5 777F & signed an MOU to purchase 5 777-8F