



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 460 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, and Nairobi, Kenya, in addition to field service representatives with commercial customers across the continent.

OUR COMMITMENT AND PARTNERSHIP



1945

Ethiopian Air Lines became the first Boeing commercial customer in Africa



30

Boeing employees and field service representatives in Africa



70%

of the in-service airplane market across Africa is represented by Boeing



\$30M

in work value generated by five supplier partnerships



2010

Morocco signed a letter of agreement for three additional CH-47D Chinook helicopters



1,160

new airplanes will be needed by African carriers over the next 20 years

INVESTMENTS

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



2013

Boeing and South African Airways produced Africa's first tobacco-based biofuel



\$5M

investment in the first Ka-band antenna system facility in South Africa



2017

Launch of the annual International Business Internship Program in Africa

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.



\$8M

investment to improve education and alleviate poverty in Africa since 2008



60,000

Ethiopian girls educated through the Link Community Development program



70+

humanitarian flights delivering aid to Africa through nonprofit partners

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 family 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 1,160 new jet aircraft deliveries over the next 20 years, 75% for growth of the current fleet. Single-aisle airplanes will constitute 71% of the projected new deliveries. African airlines are also forecast to need nearly 300 twin-aisle aircraft for longer-range and higher-capacity growth markets.

Boeing Defense, Space & Security

The Royal Moroccan Air Force currently operates the CH-47 Chinook helicopter. In 2010, Morocco signed a letter of agreement for three surplus U.S. Army CH-47D Chinooks. The Royal Moroccan Air Force has procured Joint Direct Attack Munition (JDAM) and Laser JDAM for its F-16 program through the U.S. Government Foreign Military Sales process.

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. In 2014, Boeing signed a memorandum of collaboration with Paramount Group, Africa's largest privately owned defense and aerospace business, to develop defense opportunities in key international markets. In 2016, the agreement was expanded to include cooperation on an advanced mission system for a variant of the Advanced High Performance Reconnaissance Light Aircraft, built by Paramount.

The Boeing defense presence in Africa also includes the Insitu ScanEagle 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 the African continent, with partnerships valued at approximately \$30 million per year.

In South Africa, Aerosud Aviation Pty. Ltd. delivers production parts to Boeing Commercial Airplanes programs. In 2011, Boeing announced a partnership with 43 Air School, Africa's largest flight training organization, to offer a pilot training program.

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 2013, Boeing and Ethiopian Airlines signed an agreement to double wire-harness production at the airline's base in Addis Ababa.

Boeing Global Engagement

Since 2008, Boeing has partnered with more than 40 nonprofit organizations to strengthen local communities. In Africa, Boeing has invested more than \$8 million to support systemic improvements in education, economic empowerment and alleviation of rural poverty.

In 2017, Boeing launched the International Business Internship Program for students studying in South Africa, Kenya and Ethiopia to participate in a six-month internship in Seattle, Washington.

In July 2019, Boeing committed \$100 million to address family and community needs of those affected by the tragic accidents of Lion Air Flight 610 and Ethiopian Airlines Flight 302. These funds will support education, hardship and living expenses for affected families, community programs and economic development in these communities.

FLEETS

Algeria: Air Algérie: 32 737s; Tassili Airlines: 7 737s
Angola: TAAG Angola Airlines: 5 737s, 8 777s
Burkina Faso: Government: 1 727
Cape Verde Islands: Cabo Verde Airlines: 4 757-200s
Chad: Government: 1 737, 1 MD-80; Sky Air Corp: 1 737
Congo: Canadian Airways Congo: 1 737, 1 MD-80; Trans Air Congo: 5 737s
Congo (Democratic Republic): Air Force: 3 727s, 1 737, 1 DC-8-50; Gomair: 2 737s; Government: 1 727; Serve Air: 5 727s, 2 737s; Trans Air Cargo Service: 1 DC-8-70
Djibouti: Air Djibouti: 1 727, 1 737
Egypt: Alexandria Airlines: 1 737, 1 777; AlMasria Universal Airlines: 3 737s;
Algeria: AMC Airlines: 4 737s; EGYPTAIR: 29 737s, 6 777s, 6 787s; flyEgypt: 7 737s
Equatorial Guinea: CEIBA Intercontinental: 3 737s, 1 767, 1 777; Government: 1 737; Presidential Fleet: 1 777
eSwatini: Government: 1 MD-80
Ethiopia: Ethiopian Airlines: 21 737s, 6 767s, 20 777s, 24 787s, 4 737 MAX 8s
Ghana: Air Ghana: 1 737
Kenya: African Express Airways: 1 DC-9-30, 2 MD-80s; Astral Aviation: 1 727, 2 747s, 1 DC-9-30; Kenya Airways: 12 737s, 9 787s; Multiple Solutions: 1 737; Safe Air Company: 2 727s
Libya: Buraq Air: 3 737s
Madagascar: Air Madagascar: 1 737; Tsaradia: 1 737
Malawi: Malawi Airlines: 1 737

Mali: Government: 1 737
Mauritania: Mauritania Airlines: 2 737s, 1 737 MAX 8
Morocco: Royal Air Maroc: 38 737s, 1 747, 1 767, 9 787s, 2 737 MAX 8s
Mozambique: Linhas Aéreas de Moçambique: 2 737s
Niger: Government: 1 737
Nigeria: Aero Contractors: 5 737s; Air Force: 1 737; Air Peace: 9 737s, 3 777s; Allied Air Cargo: 3 737s; Arik Air: 6 737s; Azman Air: 5 737s; Dana Air: 3 MD-80s; Emirate Touch Aviation Services: 1 727; JedAir: 1 737; Max Air: 3 737s
Reunion: Air Austral: 2 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: 3 737s; Air Force: 1 737; Comair (South Africa): 20 737s, 1 737 MAX 8; Kulula: 10 737s; Mango: 14 737s; FlySafair: 18 737s; South African Airways: 2 737s; Star Air Cargo: 8 737s; Toerama Pty: 1 737
Sudan: Alfa Airlines: 1 737; BADR Airlines: 5 737s; Green Flag Aviation: 1 737; Tarco Aviation: 7 737s
Tanzania: Air Tanzania: 2 787s
Togo: ASKY: 8 737s
Tunisia: Express Air Cargo: 2 737s; Government: 1 737; Tunisair: 7 737s
Uganda: Zone 4 International: 1 727
Zimbabwe: Air Zimbabwe: 1 767

A HISTORY OF PARTNERSHIP

1946

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

1958

South Africa Airways is 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

2014

Comair becomes first airline in Africa to order the 737 MAX

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