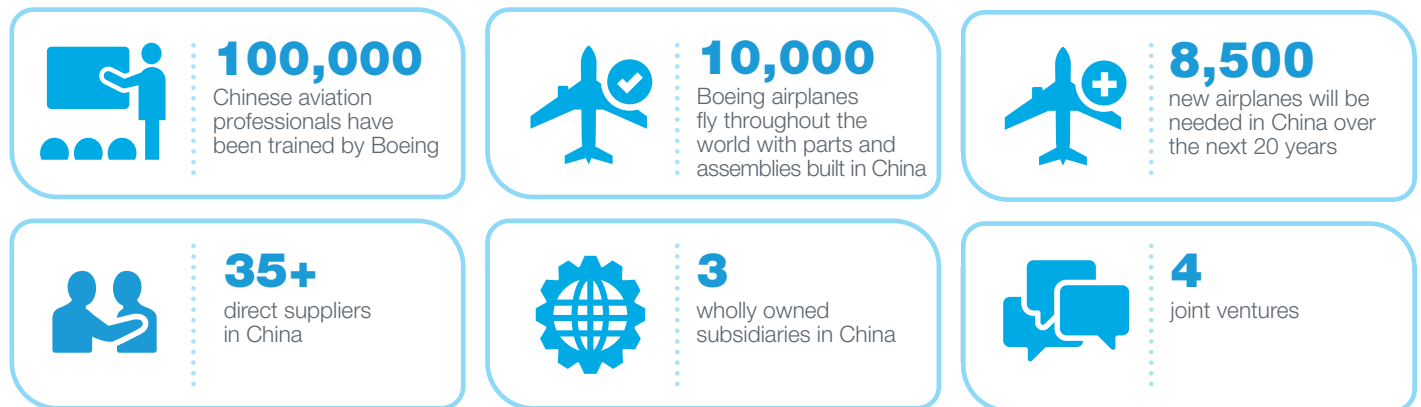


## BUILDING THE FUTURE TOGETHER

# Boeing in China

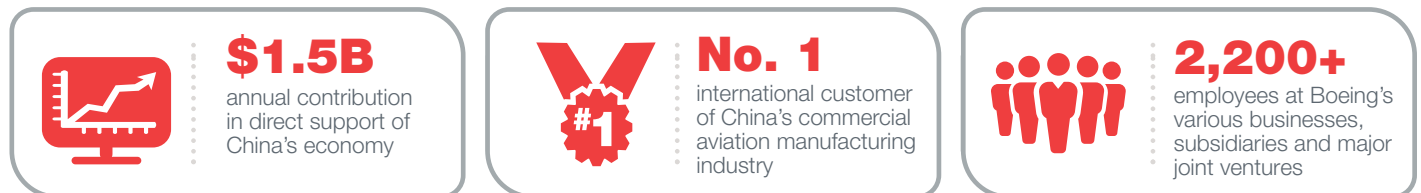
Boeing has a long-standing partnership with China spanning 50 years. In 1972, the historic visit by President Richard Nixon to China led to the introduction of Boeing aircraft to the market. Today, Boeing jets are the mainstay of China's air travel and cargo system. The country has a component role on every current Boeing commercial airplane model — the 737, 747, 767, 777 and 787 Dreamliner. More than 10,000 Boeing airplanes currently fly throughout the world with parts and assemblies built in China. Boeing activity in China contributes more than \$1.5 billion annually in direct support of China's economy, including procurement from Boeing's extensive supply base, joint venture revenues, operations, training, and research and development investment.

## OUR COMMITMENT AND PARTNERSHIP



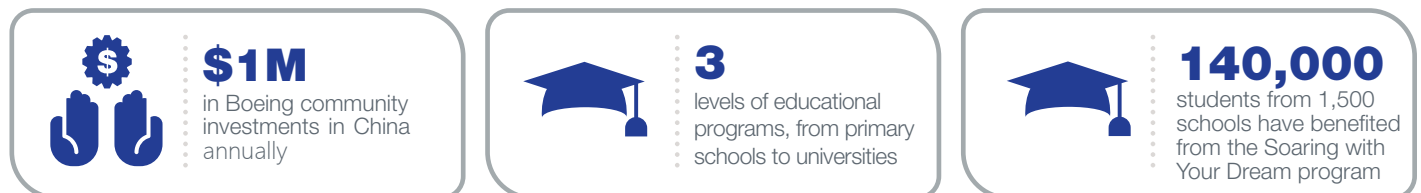
## INVESTMENTS

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



## COMMUNITY GIVING

Boeing is proud to support important causes in China, such as aerospace education and entrepreneurship through work with community partners.



# BOEING IN CHINA

## Long-Standing Relationship for Mutual Benefit

Since 1972, Boeing has been privileged to serve in the development of China's air transport system, supporting Chinese efforts to ensure a safe, efficient and profitable aviation system to keep pace with the country's rapid economic growth.

Boeing continues to expand strong and innovative partnerships with China, covering the full life cycle of airplane manufacturing and operation, including part and component production, airplane completion and delivery, airplane conversion and modification, as well as services.

China has a component role on every current Boeing commercial airplane model — the 737, 747, 767, 777 and 787 Dreamliner. More than 10,000 Boeing airplanes currently fly throughout the world with parts and assemblies built in China.

Boeing Tianjin Composites Co. Ltd, located in Tianjin, is a joint venture with the Aviation Industry Corporation of China (AVIC). It manufactures high-quality aerospace composite parts and assemblies, including primary structure, secondary structure and interiors components for Boeing commercial airplanes.

The 737 Completion & Delivery Center in Zhoushan takes the partnership to the next level. It features the Boeing-COMAC joint venture completion center and a separate delivery center staffed and operated entirely by Boeing. First delivery from the facility was in December 2018. All airplanes delivered from the facility will be 737 MAXs going to Chinese airline customers.

## Boeing Commercial Airplanes

Commercial aviation is a critical component of China's continuing economic development, and Boeing leads the industry in providing fuel-efficient products to China.

Boeing delivered its first airplane to China in 1973. Since then, Boeing has delivered more than 2,000 airplanes to Chinese airlines and leasing companies, making China the biggest market for Boeing aircraft outside the U.S.

Boeing expects China's airlines to acquire nearly 8,500 new airplanes over the next 20 years, including 1,570 widebody airplanes and 6,370 single-aisle airplanes. The country's civil fleet will grow to more than 9,600 airplanes through 2041.

## FLEET AND SERVICES



- 8,485 new airplanes will be needed by China in the next 20 years.
- 1,570 widebody airplanes and 6,370 single-aisle airplanes will be needed through 2041.
- Freighter segment will see 205 deliveries.

## Boeing Global Services

Boeing forecasts China will need over \$545 billion in commercial services to support the country's fleet of airplanes, making it one of the largest services markets in the world. Major categories in the services forecast include maintenance and engineering as well as flight operations.

Boeing Shanghai Aviation Services Co., Ltd. (a joint venture with China Eastern Airlines and the Shanghai Airport Authority) is a maintenance, repair and overhaul center based in Shanghai, performing line maintenance, heavy maintenance and airframe modifications as well as upgrades for airplane interiors, avionics and in-flight entertainment systems.

Launched in 2016, and converted mainly in China with local partners operating eight conversion lines, the 737-800BCF (Boeing Converted Freighter) is completed in China where e-commerce and global trade drive air cargo growth.

Boeing Shanghai Aviation Flight Training Co. Ltd is a Boeing subsidiary located at Shanghai Pudong Airport, providing innovative training products and services for pilots, technicians and flight crews to Chinese airline customers. The campus includes one 737 MAX full-flight simulator, one Next-Generation 737 full-flight simulator and one 787 full-flight simulator.

## Investing in the Future Through Training and Research

Boeing has long worked with China in areas such as safety, aviation quality practices, business and executive training, and technical support. Since 1993, in cooperation with the Civil Aviation Administration of China (CAAC), Chinese airlines and industry, Boeing has provided enhanced professional training to about 100,000 Chinese aviation professionals at no charge.

Boeing Research & Technology China established operations in the country in 2009. Currently it has research collaborations with 23 major universities, seven national institutes and three research centers, with focuses including biofuel, air traffic management technologies, materials, aviation services, cabin technology and manufacturing.

Launched in 2009, Soaring with Your Dream has reached more than 140,000 students and thousands of teachers from 14 different provinces throughout China. Starting from 2017, The aviation education program has focused on helping teachers and students in poverty area through both on-line courses and off-line activities.



- One of the largest commercial aviation services markets in the world
- Over \$545 billion in commercial services are needed over the next 20 years

## A HISTORY OF PARTNERSHIP

1916

Boeing hires its first engineer, China-born Wong Tsao

1973

Boeing delivers its first airplane to China, a 707 commercial airplane for CAAC

1979

Boeing awards its first supplier contract to China for MD-80 landing gear doors

2009

Boeing Research & Technology China is established

2016

Boeing launches the 737-800BCF in China

2018

Boeing delivers its 2,000th airplane to China, a 737 MAX 8 for Xiamen Airlines

Boeing delivers the first airplane from the 737 Completion & Delivery Center in Zhoushan to Air China

2019

Boeing delivers China's 100th 787 Dreamliner to Juneyao Airlines

2021

China Southern receives 1,000th 787 delivered by Boeing