

BOEING IN INDIA: “ONE PARTNERSHIP, ENDLESS POSSIBILITIES”

70 years ago, Tata Airlines flew DC-3 aircraft to India; since then, to the 747s, 777s, 737s and the game-changing 787 Dreamliners, Boeing has been the mainstay of India’s civil aviation sector with operators like Air India, Jet Airways and SpiceJet. In 2013 with the arrival of military aircraft such as the C-17 Globemaster III strategic airlifter and P-8I maritime surveillance and anti-submarine aircraft, Boeing has started to play an important role in the mission-readiness and modernization of the Indian defense services.

Headquartered in Delhi, Boeing’s India operations include an office in Bangalore and Field Service offices in Mumbai and New Delhi. Boeing subsidiary, Jeppesen, a provider of flight navigation solutions, is established in Hyderabad. Two other Boeing subsidiaries, Narus in Bangalore and Continental Data Graphics (CDG) in Chennai, are also expanding footprint in the country.



Indian Air Force C-17 Globemaster III

BUILDING AN AEROSPACE ECOSYSTEM

A strategic and progressive partnership is fast developing between Boeing and India that encompasses manufacturing, engineering services, research and technology, training and skills development, supply chain activity and social initiatives. With a view to capitalizing on India’s competencies, Boeing is collaborating with India’s public sector companies like Hindustan Aeronautics Ltd (HAL), Bharat Electronics Ltd (BEL), as well as major private sector companies such as the Tata Group, Larsen & Toubro, Dynamatic Technologies, Wipro, Infosys, HCL Technologies, and Infotech Enterprises. These industrial partners and suppliers, in turn, are raising their bar to deliver world-class quality, by imbibing best practices, driving efficiency and productivity; and are becoming an important part of the company’s worldwide supply-chain for some of the most advanced aircraft in the world.



Manufacturing of 787 Dreamliner floor beam at Tata facility in Nagpur

Boeing is also bringing expertise in engineering design to India through Boeing subsidiaries – Narus, Jeppesen and Continental Data Graphics. For example, Airports Authority of India has selected to implement Jeppesen’s TAAM simulation software that will help modernize India’s air traffic management infrastructure. Narus is a recognized leader in cyber-security software products and Narus’ Bangalore team is working on developing cutting-edge solutions.

ENGINEERING, RESEARCH AND TECHNOLOGY COLLABORATION WITH UNIVERSITY PARTNERS

Boeing believes in nurturing talent in science and technology, and is engaged with higher education academia through reputed institutions. The company has had a long-standing R&D presence in India since 1995, when collaborative research in aerodynamics was established with the National Aerospace Labs (NAL) in Bangalore. This has developed into a series of projects in aerodynamics and advanced analysis methods at NAL, Indian Institute of Science and Indian Institute of Technology, Kanpur.

In 2009, Boeing further expanded its R&D footprint by establishing the Boeing Research & Technology India Center, an Indian counterpart of Boeing’s Research and Technology organization in the U.S. BR&T India conducts research in areas such as Flight Sciences, Materials & Processes, Structures and

Software. This center has been working with Indian researchers in academia, research labs and industry to address future technical challenges. In addition to research activities, Boeing has established a Boeing Test & Evaluation Center of Excellence at HCL Technologies in Chennai. Boeing is also working with Infotech in Hyderabad on structural engineering analysis, design and related activities.

Collaborative research and training involving Boeing, universities and industry partners have led to patent and technology breakthroughs in areas ranging from network systems to material sciences. An example of this model in India is the National Centre for Aerospace Innovation & Research (NCAIR) with IIT Bombay and Government of India's Department of Science and Technology to promote aerospace manufacturing capability development.

The Aerospace Network Research Consortium (ANRC) with the Indian Institute of Science (IISc), is another open collaboration that conducts strategic research and co-development in technologies related to aerospace networks. This involves regular interaction between researchers in India and Boeing experts in the US, and has resulted in many Ph.D. theses and a large number of research reports. IISc is one of only 10 universities world-wide who have such a special status with Boeing.

Boeing also conducts an externship program with IIT Kanpur, one of India's top engineering colleges. Every year, five to six students are selected to undergo externship with our industry partner Infotech, introducing students to world-class aerospace and engineering projects and related best practices, thus resulting in high-tech career paths.

CORPORATE CITIZENSHIP

Boeing has a long-standing tradition of community relations and contributing to society through initiatives on various educational and skill building programs. In joint partnership with various NGO's across the country, India has been the largest beneficiary for Boeing internationally in terms of financial donations and voluntary contribution.

Some of the major initiatives that Boeing has been supporting in India through partner NGOs include nutrition, education and medical needs of over 300 slum children via Building Blocks. On our behalf Community Outreach Program supports education needs of over 200 destitute children; Association for People with Disability, medically supports over 5000 differently-abled people, CanSupport funds medical camps of over 2500 cancer patients in remote villages; Sense and Smile support special education needs, training and nutrition of 2500 deaf and blind children, including cleft palate surgeries for over 500 destitute children.



Boeing recognized by CanSupport

CREATING AN AEROSPACE TALENT PIPELINE

In a recent effort to address the critical and growing need for skills development in the Indian aerospace sector, Boeing is partnering with the National Skill Development Corporation India (NSDC) and the Nettur Technical Training Foundation (NTTF) to provide vocational training to Indian students and industry.

Today, Boeing's partnership with India has expanded to meet the country's aerospace and defense requirements and is creating sustainable value in the Indian aerospace sector.

For more information about Boeing India, visit www.boeing.co.in