



Business moves at a fast pace in North Carolina.

That doesn't mean life has to.



In 1903, Orville and Wilbur Wright found the right conditions for success here.

Today, aerospace and aviation companies continue to Thrive in North Carolina.®

T H R I V E  
*in* **NORTH  
CAROLINA™**

[ThriveNC.com/Aerospace](http://ThriveNC.com/Aerospace)



GTCC Aviation Center

4 International Airports

Turbomeca

HondaJet

T H R I V E

*in* **NORTH CAROLINA™**

## Aerospace and Aviation

North Carolina has the tangibles that businesses need as well as a lifestyle that helps employees flourish. Our secret is simple: When people Thrive, business Thrives. We understand that in today's global economy, people are your greatest source of competitive advantage—happy, fulfilled employees are more productive employees. From our business resources to our human resources to our natural resources, we offer businesses what they need to create a competitive advantage and Thrive.

**BEST  
BUSINESS  
CLIMATE**

Consistently ranked among the best business climates in the nation by *Forbes*, *CNBC*, *Chief Executive* and *Site Selecton*.



# North Carolina's Distinct Advantages

North Carolina has the existing industry, statewide support and talent pool that continue to attract and keep the leading aerospace and aviation companies. Our commitment to investing in next-generation technologies as well as developing infrastructure to support this industry adds to the existing workforce, growing population and ongoing research already here. Our flourishing aerospace supply chain, with its greatest strengths in aircraft manufacturing; aircraft engine and engine part manufacturing; and search, detection and navigation instrument manufacturing, is just one example of how this industry is Thriving in North Carolina.



North Carolina is the birthplace of powered flight. In 1903, Orville and Wilbur Wright found the right conditions for success at Kitty Hawk. Building from this heritage, North Carolina continues to be a place where aerospace companies Thrive.

## No. 1

North Carolina ranks first in the Southeast for manufacturing employment, and ninth overall in the United States. North Carolina's average worker is 36% more productive than national workers.

## +68%

Employment in aircraft engine and engine part manufacturing has increased by 68% in North Carolina. Compare that with a decline of 25% for the United States as a whole.



North Carolina is home to five military installations with more than 100,000 active duty military personnel. Each year, 10,000 highly skilled veterans enter the civilian workforce with relevant training for aerospace employment.

## >180/ >9,500

More than 180 aerospace companies are engaged in manufacturing in North Carolina, employing more than 9,500 people. We've got the talent.



North Carolina features three of the top 10 emerging aerospace cluster markets in the South, according to a recent article in *Southern Business & Development* magazine.

## Sharpening Skills for the Future

- Composites are the most important materials to be adapted for the aerospace industry since the introduction of aluminum in the 1920s. North Carolina organizations and institutions are actively engaged in developing and using composite materials.
- For more than 60 years, the Fleet Readiness Center East at Marine Corps Air Station, Cherry Point, has provided high quality maintenance, repair and overhaul as well as engineering and logistics support to DoD aviation. Today, FRC East employs more than 3,500 civilians and part of their workload includes the AV-8B Harrier and the V-22 Osprey that have composite structures.
- Spirit AeroSystems' facility at the Global TransPark will serve as a composite manufacturing Center of Excellence, using advanced technology in its production processes. The facility will produce the Airbus A350 XWB composite center fuselage section and the leading edge wing spars. Advanced research in composites is taking place in the state's universities, including work at a new center focused specifically on advanced materials and smart structures at N.C. A&T State University.

**North Carolina offers an exceptional quality of life that contributes to a highly desirable place for businesses to attract and keep skilled workers.**

# Strong Pipeline for Labor

In today's global economy, people are the most important asset to any company and North Carolina gives them what they need to flourish.

Our many skilled workers, as well as the highly specialized pools of talent already here, give your company a competitive advantage. They are dependable, hardworking and more than that, they are happy. That's because they have the types of careers and opportunities available to them that help them succeed. Making them more productive. In fact, North Carolina workers are 10% more productive than the average U.S. worker.



And productive, happy workers create better businesses. They, along with a vast infrastructure and a collaborative, business-friendly environment, ensure that businesses here have what they need to make things happen. Universities, community colleges and other training programs coupled with a growing population provide a workforce with the skills that are in demand globally.

## We already have a highly skilled workforce.

The state's manufacturing tradition fits well with the aerospace and aviation industry and North Carolina ranks first in the Southeast U.S. and ninth nationally in total manufacturing employment. More than 180 aerospace and aviation companies employing more than 9,500 skilled workers are located here. These companies are supplying the industry with everything from tires to tray tables, and from carbon and graphite products to financing for airplane leases. In addition, more than 26,000 people are employed in engineering fields in North Carolina and the number is projected to grow 12.78 percent over the next five years. In fact, every year North Carolina institutions graduate almost 3,400 in engineering fields. We also have over 10,000 highly trained individuals available to join North Carolina's labor force annually as they complete their military service. Our five military installations continually train people in fields such as aviation and avionics; communications; electronics; engineering; heavy and specialized equipment operation; information technology; and transportation and logistics.

**36%** North Carolina workers are 36% more productive than the average U.S. worker.



# We have the research, training and infrastructure needed for growth.

North Carolina is able to attract and grow aerospace companies throughout all geographical areas of the state — largely because the industry is a good fit with the state's manufacturing tradition, existing workforce, growing population, training programs and university-based research. The state has also demonstrated its commitment to aviation companies by investing in next-generation technologies and developing infrastructure to support the growth of these companies.

**North Carolina Aerospace Alliance** develops capabilities to manufacture critical aviation parts supporting military facilities and defense sub-contractors.

## **Eight of North Carolina's universities and numerous community colleges**

have programs and centers that support and enhance the ability of North Carolina's aviation and aerospace firms to innovate and grow.

**Andrews Aviation Academy** offers high school students in Guilford County the opportunity to jump-start a career in aviation by preparing them for the technical training and certification needed by the FAA.

## **The Aerospace Industry Sector Development Partnership**

is comprised of organizations in the state that work to support existing companies, continually recruit new companies, ensure a qualified workforce and promote a favorable business climate.

**The Advanced Machining Center** offers training in machining, metal forming and CAD-aided design.

**T. H. Davis Aviation Center** has specialized shops for engines, welding, electrical and sheet metal, as well as faculty with expertise in composite construction and repairs, manufacturing and quality control.

**The North Carolina Global TransPark (GTP)** is a multi-modal transportation park offering environmentally permitted prime commercial real estate along with excellent shipping capabilities via air, truck, rail or sea. It owns more than 2,400 acres, including a 300+ acre state Certified Site with advantages such as:

- Access to an 11,500-foot runway, with an Instrument Landing System (ILS) being upgraded to Category III
- Cargo facility/warehouses with runway access
- Building/hangar sites offering airfield and highway access
- Special construction financing options available for qualifying buildings
- FTZ #214 provides exemptions or reductions in customs duties
- Access to a 33,000-square-foot training/conference center



Visit [www.ncGTP.com](http://www.ncGTP.com) for more information

### **North Carolina Department of Commerce**

4310 Mail Service Center  
Raleigh, N.C. 27699-4310  
U.S.A.  
1.919.733.4977  
[ThriveNC.com/Aerospace](http://ThriveNC.com/Aerospace)

### **State of North Carolina Canada Office**

13A Princess St  
Mississauga, ON L5M 1Z8  
Canada  
1.905.826.6000

### **State of North Carolina European Office**

Untermainanlage 7  
60329 Frankfurt am Main  
Germany  
49.69.271.3980

### **State of North Carolina Japan Office**

Toranomon Suzuki Bldg. 5F  
20-4, Toranomon 3-Chome  
Minato-Ku, Tokyo 105-0001  
Japan  
81.3.3435.9301

### **State of North Carolina China Office**

Shanghai Centre, Suite 631A  
East Tower Shanghai Centre  
No. 1376 Nanjing West Road  
Shanghai 200040  
China  
86.21.6279.7037

# Aerospace and Aviation Companies Thrive Statewide



To explore all the Aerospace and Aviation companies in North Carolina, visit [www.ThriveNC.com/aeromap](http://www.ThriveNC.com/aeromap).

## A Sampling of Companies that Thrive in North Carolina®:

- **AAR**, Goldsboro
- **ATI Allvac**, Monroe
- **B/E Aerospace, Inc.**, Winston-Salem
- **Cessna**, Greensboro
- **Commerce Overseas Corporation**, Global TransPark
- **Curtiss-Wright Controls**, Charlotte, Gastonia and Shelby
- **Cyril Bath**, Monroe
- **DRS Technologies**, Elizabeth City
- **Emrise Corp.**, Durham
- **FedEx**, Greensboro
- **Firstmark Aerospace Corporation**, Creedmoor
- **Fleet Readiness Center East (MCASCP)**, Havelock
- **General Dynamics**, Charlotte
- **General Electric**, Durham, Wilmington and West Jefferson
- **Goodrich**, Charlotte and Monroe
- **Honda Aero, Inc.**, Burlington
- **Honda Aircraft Company**, Greensboro
- **Honeywell**, Rocky Mount
- **Kearfott Guidance & Navigation**, Black Mountain
- **Kidde Aerospace and Defense**, Wilson
- **Leitritz Advanced Turbine Components, Inc.**, Rural Hall
- **Liquip International**, Reidsville
- **Lord Corporation**, Cary
- **Michelin Aircraft Tire Corp.**, Norwood
- **Moog Components Group**, Murphy
- **Northrop Grumman Synoptics**, Charlotte
- **NS Aviation**, Winston-Salem
- **Purolator Advanced Filtration**, Greensboro
- **Spatial Integrated Systems**, Global TransPark
- **Spirit AeroSystems Inc.**, Global TransPark
- **TCOM**, Elizabeth City
- **TIMCO Aviation Services, Inc.**, Greensboro
- **Triumph Actuation Systems**, Clemmons
- **Turbomeca**, Monroe
- **Unison Engine Components**, Asheville
- **U.S. Airways MRO**, Charlotte
- **VX Aerospace**, Morganton