

Beechcraft®



Hawker®

TEXTRON AVIATION

Civil Aviation Sustainment

July 5, 2018

Leading General Aviation Authority

Textron Aviation Inc. is the leading General Aviation authority and home to the Beechcraft, Cessna and Hawker brands which account for more than half of all General Aviation aircraft flying.

Products include the best-selling aircraft such as:

- Citation business jets
- King Air and Caravan turboprops
- Cessna and Beechcraft pistons
- T-6 military aircraft



Power in Numbers

22 Aircraft models in production

Delivered over **250,000** aircraft throughout 90 years

Combined fleet exceeding **150** million flight hours

Announced, certified & delivered **10** products in the last five years

More than **12,000** employees worldwide

18 company-owned service centers



The Broadest Product Lineup in the Industry

JETS



Citation Hemisphere



Citation XLS+



Citation Longitude



Citation CJ4



Citation X+



Citation CJ3+



Citation Sovereign+



Citation M2



Citation Latitude

TURBOPROPS



King Air 350i/ER



Grand Caravan EX



King Air 250



Caravan



King Air C90GTx



Denali



Cessna SkyCourier

PISTONS



Baron G58



Turbo Stationair HD



Bonanza G36



Skylane



Skyhawk

DEFENSE



AT-6



T-6C



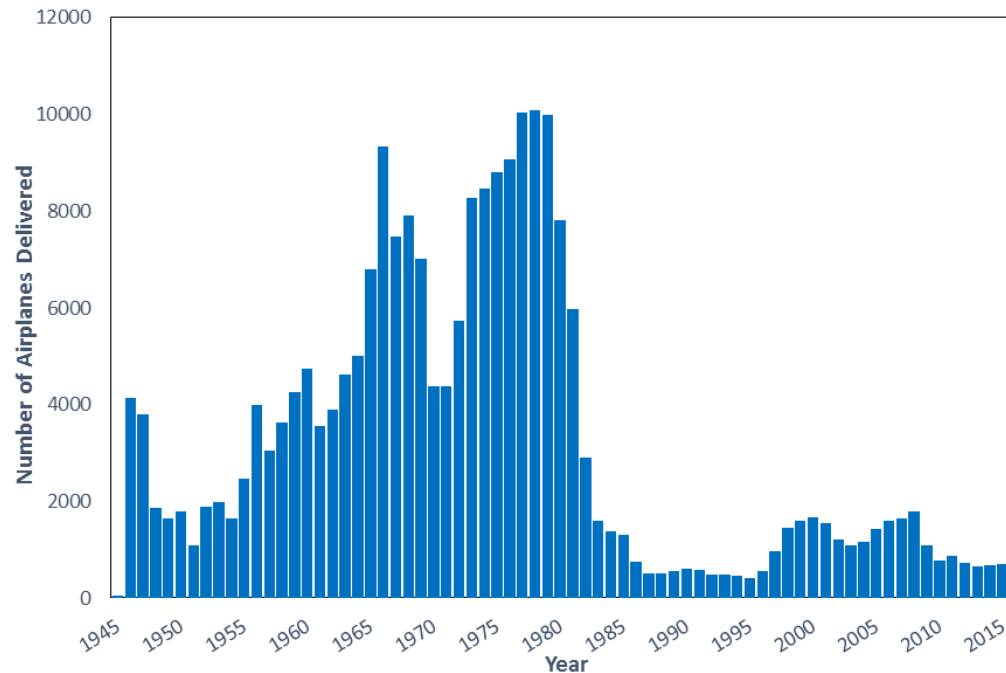
Scorpion

Textron Aviation Fleet

- Average age is 43 years old
- Many certified to CAR 3 requirements
- > 50% of legacy fleet still flying



Civilian Aircraft Production Per Year



Textron Aviation Fleet

- Supplemental type certificates (STCs)
 - Certification Requirements
 - Compatibility
- Retired military aircraft in civilian use
- Flown beyond original design life



Textron Aviation Fleet

- Multiple usages
 - Private
 - Business
 - Military
 - Special Missions
 - Part 135 Scheduled Service



Risk Management

- Supplemental Inspection Documents (SIDs)
 - Developed for Cessna legacy fleet to assure continued airworthiness
- SIDs effective in sustaining fleet
- Mandatory compliance in New Zealand, Australia and other countries



Regulatory

- International requirements
- 14 CFR § 91.409(f)(3)
- Lack of Part 23 Aging Aircraft Regulation



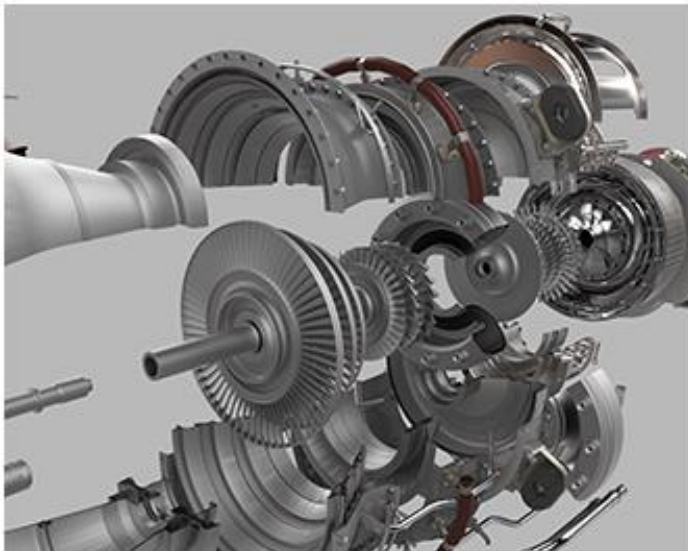
Design for Sustainment

- Design
 - Damage tolerant
 - Large damage capability
 - Monolithic structure
- Test Emphasis
 - Full scale cyclic
 - Residual strength
 - Materials



Additive Manufacturing

- Applications for complex shapes and assemblies
- Applications for complex systems parts
- Applications for airframe structure



Investment in Next Generation

- National Center for Aviation Training (NCAT)
 - aka, Wichita State University Technical Campus
 - 50 million dollar investment by Sedgwick County - Kansas
- Aviation Pathway
 - Textron Aviation partnership with NCAT and Wichita public schools
 - Allows high school students to get technical certificate along with their high school diploma
- Middle/High School STEM education initiatives
- Partnerships with Universities

