

# GE Aviation Engine Testing, Research & Development Centre

## QUICK FACTS & FIGURES

- 12 foot by 60 foot control room equipped with high speed camera imaging, data acquisition system, programmable logic controllers for wind tunnel and engine operations
- Anti-ice and air dry trailers for anti-ice services
- Data trailer with data acquisition systems
- 20-foot center line single post thrust stand with concrete foundation rates for extreme load of a blade out event.
- Total height of post and enclosure is 56 feet



**The General Electric (GE) Aviation Engine Testing, Research and Development Centre** is a 122,500 square-foot facility located at the James A. Richardson International Airport in Winnipeg, Manitoba, that will specialize in icing certification testing on GE's jet engines as well as develop advanced testing methodologies and equipment for commercial and military jet engines.

The facility is a partnership between StandardAero and GE. Under the agreement, StandardAero maintains and operates the certification testing center.

The \$50 million facility was designed to accommodate engines up to 150 inches in diameter and up to 150,000 lbs. of thrust, as well as capabilities to accommodate high performance military engines.

The center will initially employ 10 StandardAero employees, with the potential to grow to 50 employees over the next five years. The investment in the GE Aviation Engine Testing, Research and Development Centre supports GE's Industrial Regional Benefits program in Canada.

The facility utilizes a state-of-the-art noise reduction system with 50-foot high noise attenuation walls, 16-foot diameter augmentor tube and 51-foot high exhaust stack. In addition, the facility incorporates a translating wind tunnel to enable future expansion of the facility for year-round testing in other areas, such as performance and endurance testing, bird ingestion, ice crystal and mixed phase testing.

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