



## SMALL BUSINESS BANKS ON COMMERCIAL SUCCESS WITH TESTING BREAKTHROUGH



A woman-owned small business in Georgia is growing because of its contribution to aircraft manufacturing, which has the potential to boost performance and generate big savings over the long haul.

Backed by an Air Force SBIR award, Compass Technology Group developed a new way to test the coatings that line aircraft canopies and windows. Also known as MM-TSS – short for Microwave Mapping Transparency Sensor System – this new technology is expected to play a role in ensuring mission-effectiveness and the safety of U.S. and allied airmen.

Here's how: Aircraft transparency systems, such as canopies and windows, incorporate electromagnetic interference shielding layers that require inspection during production. However, current manufacturing inspections are conducted manually, making them labor intensive, and do not cover 100 percent of the transparent surface.

The new MM-TSS is designed to inspect and provide full-canopy quality assurance in production of the F-35, reducing labor costs and helping keep the program on schedule. By better detecting defects early in the manufacturing process, the MM-TSS will likely save taxpayers millions of dollars in costly canopy replacements, mission down-time, and maintenance man-hours.

- Woman-owned small business
- Reduction in down-time
- Reduction in maintenance hours



### Compass Technology Group

Roswell, Georgia

For full story click here:

[http://www.wpafb.af.mil/Portals/60/documents/aftrl/sbir/SBIR\\_SS\\_A\\_F121c-123\\_Compass\\_Tech\\_20150313.pdf](http://www.wpafb.af.mil/Portals/60/documents/aftrl/sbir/SBIR_SS_A_F121c-123_Compass_Tech_20150313.pdf)

