



# News

***For Immediate Release***

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## **Syntonics Exhibits at '06 Navy Opportunity Forum**

COLUMBIA, MD. June 5, 2006 . . . Syntonics LLC, based in Columbia, Md., is exhibiting at the 2006 Navy Opportunity Forum, a “by invitation only” event for U.S. small businesses. The Company is highlighting its prototype frequency selective surface (FSS) multi-band antenna system, which successfully completed its test program last month.

Syntonics is prototyping a tri-band FSS antenna system for the U.S. Navy. The system nests all three antennas concentrically within a single radome, permitting independent all-sky pointing for each antenna. Each antenna operates in its designated frequency band while tracking different satellites. This first prototype antenna system has three independent antenna arrays, one each for L-, S- and X-band reception. The prototype antenna system will provide the same L- and S-band performance as the heritage SMQ-11/FMQ-17 antenna systems while adding X-band capability.

Syntonics’ FSS antenna system packs more satellite communications (satcom) capability into the footprint of a radome. This capability is useful for meteorological data because the FSS antenna system can simultaneously track different polar and geosynchronous satellites, continually receiving data from both. This capability also makes it possible to combine multiple satcom antennas within one radome. This is especially useful in shipboard and mobile systems, where reducing the footprint and weight of the antenna system is valuable. Successful testing of the prototype FSS antenna system in May 2006 substantiates this technology is at TRL 6.

This is the 6<sup>th</sup> Navy Opportunity Forum® sponsored by the Navy Small Business Innovation Research (SBIR) Program Office for selected companies performing SBIR Phase II projects. The Forum provides an effective way for acquisition officers, R&D managers, prime contractors, first and second tier suppliers, and defense personnel to preview Navy-funded technologies developed by small business. Before attending, Syntonics developed a Phase III Transition plan that charts a course for the successful transition of this antenna technology to selected defense applications.

Syntonics designs, develops, and manufactures specialty military RF communications equipment and accessories, notably RF-over-fiber products and innovative antennas. For more information on Syntonics and its products, please see the company's website at [www.SyntonicsCorp.com](http://www.SyntonicsCorp.com).