



# News

***For Immediate Release***

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## **Syntonics Awarded DOD SBIR Contract for Sophisticated Tri-Band Antenna System**

COLUMBIA, MD. October 21, 2004 . . . Syntonics LLC, based in Columbia, Md., announced today it has been awarded a follow-on contract with the U.S. Navy to prototype a sophisticated triple-frequency antenna system. An earlier contract demonstrated the feasibility of the unique tri-band system design.

Syntonics is performing this work teamed with The ElectroScience Laboratory (ESL) of The Ohio State University in Columbus, OH. The ElectroScience Laboratory is internationally recognized for its expertise in antenna design and electromagnetic theory. The Space and Naval Warfare Systems Command (SPAWAR) negotiated the contract on behalf of the U.S. Navy Program Executive Office for Command, Control, Communications, Computers, Intelligence and Space (PEO C4I & Space).

The antenna system will receive weather data from military and civilian weather satellites. The Team's design features three independent antenna arrays, one each for L-, S- and X-band reception. Each antenna array can point at different satellites. All three arrays are packaged within a single radome using a technique first invented for military aircraft called "frequency selective surfaces." The novel design is being patented.

"This is Syntonics' fifth contract with Navy in the past three years and further extends our excellent and ongoing working relationship with ESL," said Bruce Montgomery, president, Syntonics, "The antenna technology we are developing with this project has excellent potential for both military and civilian multi-band satellite communications systems. I am looking forward to testing the prototype hardware next year."

Syntonics is a specialty defense electronics company that develops innovative antennas and advanced GPS holdover clocks. Its *FORAX* RF-over-fiber communication product connects tactical radios to remote antennas at distances of 1 km and further. For more information on Syntonics and its products, please see the company's website at [www.SyntonicsCorp.com](http://www.SyntonicsCorp.com).