



# News

***For Immediate Release***

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## **Syntonics Awarded DOD SBIR Contract for Electronically Steerable Antenna**

COLUMBIA, MD. June 1, 2004 . . . Syntonics LLC, based in Columbia, Md., announced today it has been awarded a contract to investigate the feasibility of an innovative electronically steered antenna for the Missile Defense Agency (MDA). Syntonics has teamed with the ElectroScience Laboratory of The Ohio State University (ESL/OSU) for this work.

This Phase I SBIR is investigating a "Pixel-Addressable Reconfigurable Conformal Antenna" (PARCA). A senior researcher at OSU/ESL who frequently works with Syntonics on its antenna projects conceived the proposed technical approach. If successful, PARCA will enable thin, conformal antennas that can reconfigure themselves in fractions of a second to electronically point their beam and vary their operating frequency. Syntonics anticipates the PARCA technology will be practical, after further development, for the rigorous in-orbit environment.

"We continue to win work with the military services to develop novel antennas that meet their unique requirements," said Bruce Montgomery, president, Syntonics. "The MDA needs thin, conformal, electronically steered antennas for future space vehicles. Our proposed PARCA antenna, already the subject of a patent disclosure, represents a radical departure from traditional approaches to electronic antenna steering."

Syntonics is a privately held specialty defense electronics company that develops RF-over-fiber optic communication systems, unusual antennas, and advanced GPS holdover clocks. The company also provides engineering services to customers in the aerospace and defense industries. For more information on Syntonics and its products, please see the company's website at [www.SyntonicsCorp.com](http://www.SyntonicsCorp.com).