

EXHIBIT 1

Title:

Processing and Control Station for Unmanned Aerial Vehicle Synthetic Aperture Radar. We have been contracted by the Office of Naval Research to build and demonstrate a prototype system under a Department of Defense Program Solicitation Number 97.2, Small Business Innovative Research (SBIR) Program topic number N97-104.

Description:

The overall objective is to design, build, and demonstrate a datalink system that will download Unmanned Aerial Vehicle sensor data, like synthetic aperture radar, to a ground station or shipboard station for recording, processing and analysis. This will reduce the weight of the sensors that must fly on UAV's, reduce the costs of sensors, and prevent lost data in the event of a UAV going down as well as providing realtime data, lower flight-hour costs, and extending flight time of the UAV's. Current UAV's do not normally have the space, payload capability or power-handling capability to support high-data-rate sensors, processors or recording systems. The uplink will provide control data to the sensors so they can be placed in unmanned environments and UAV control data/algorithms to control the UAV's flight through one system.

Agency:

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Contact:

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