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SIS Wins ONR Contract for Autonomous Control and Perception for Unmanned Systems

(Source: Spatial Integrated Systems, Inc.; issued July 18, 2011)

KINSTON, N.C. --- Spatial Integrated Systems, Inc. (SIS) announced that it has won a major contract from the Office of Naval Research (ONR) for the advancement of Unmanned Maritime Systems. The award builds on SIS's successful development to date of a fully autonomous maritime navigation and control system (Autonomous Maritime Navigation, AMN).

Under this three-year contract, SIS will demonstrate the technical viability of beyond-state-of-the-art advanced autonomous warfare operations on Unmanned Surface Vehicles (USV).

Several expected developments include the ability to perform Maritime Rules of the Road (COLREGS), to conduct coordinated and cooperative operations between multiple USVs and to begin the hardening of autonomous systems for real-world operational employment.

SIS participated in development and testing of the "CARACaS" autonomous control system, jointly funded by ONR and NAVSEA 05D, which represents the current state of the art in unmanned vessel autonomy by providing a platform-independent intelligence component that can be used with any USV/UUV.

Spatial Integrated Systems is a leader in the development and integration of solutions incorporating novel digital technologies. SIS develops, implements, and deploys high-end system and business solutions that incorporate Digital 3D Imaging and Modeling, Robotics, Artificial Intelligence, and 3D Visualization. SIS has offices in Kinston; Gaithersburg, MD; Bremerton, WA; Virginia Beach, VA; and Charleston, WV.

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