



Modular Autonomous-Ready Dynamic Positioning System

Project Summary: The goal of this project is to develop and test a government-owned, multi-platform, Sealift Modular Autonomy System, starting with an Autonomy-Ready Dynamic Positioning System (AR-DPS) and a Remote Unmanned Control Station (RUCS) for use with Joint Deployment and Distribution Enterprise (JDDE) surface ships. This will facilitate conversion of manned ships to semi-manned, optionally manned, or fully unmanned vessels.

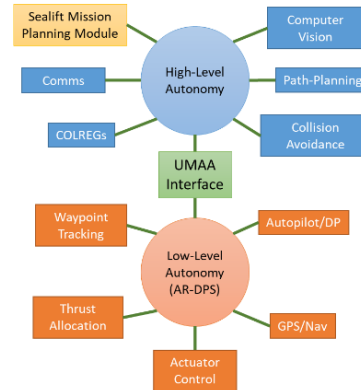


Diagram of the Autonomy Architecture for Sealift Application

Benefit:

- The AR-DPS will enable Sealift and TRANSCOM to utilize >\$100M in autonomy software developments made by Navy program offices for other platforms.
- The AR-DPS software can be deployed to other Sealift and TRANSCOM platforms allowing upgrading installed systems to autonomously controlled

Duration of project: FY23 – FY25

Participants: Software Support Activity Blount Island Command, Naval Surface Warfare Center Philadelphia Division (NSWCPD)

Project advocacy (funding or otherwise): Naval Facilities Engineering and Expeditionary Warfare Center