

Limited Access Hydrographic Survey

Project Profile



Project Description:

The Naval Inactive Ships Maintenance Office (NISMO) maintains the fleet of decommissioned naval ships that are located nationwide at various military installations. Two decommissioned aircraft carriers, the USS Forrestal (CV-59) and USS Saratoga (CV-60) are currently moored at Pier 1, Naval Station Newport, RI. There are preliminary discussions about plans to move one or both of these carriers from Naval Station Newport, but hydrographic surveys have not been carried out at the Pier in over eight years. Any attempts to move the carriers must be preceded by hydrographic surveys under and around the carriers.

Services Rendered:

As the prime contractor for hydrographic and ROV services, SeaVision Marine Services LLC teamed with SeaView Systems, Inc. to develop a unique solution for performing the hydrographic survey of the berths surrounding Pier 1. The first phase of the project consisted of a traditional hydrographic survey using a vessel-mounted echosounder and Differential GPS to survey the vicinity of the pier around the carriers. The second phase of the project consisted of using a SeaEye Falcon DR remotely-operated vehicle (ROV), fitted with a sector-scanning profiling sonar and an Inertial Measurement Unit (IMU) for navigation to survey under each carrier. The IMU allowed the team to collect hydrographic survey data of the harbor floor under each of the aircraft carriers and the hulls of the carriers without having. Deliverables included drawings and digital data products that will allow NISMO to determine the actual draft of the vessels relative to the harbor floor.

Client:

Naval Inactive Ships Maintenance Office
Global—A 1st Flagship Company

Project Completion Date:

April 2006

SeaVision Role in Contract:

Prime Contractor
Hydrographic Survey

SeaView Role in Contract

Remote-Operated Vehicle Services

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