

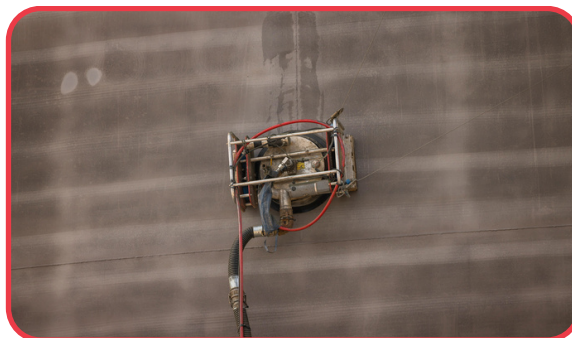
UHP Surface Preparation Case Study:

U.S. Navy LSD Vessel Schedule Recovery

Introduction

AllStream Services and Rental delivered coating removal solutions for a U.S. Navy LSD-class vessel, targeting both the freeboard and underwater hull. The project utilized AllStream's robotic Ultra-High Pressure (UHP) water blasting technology, enabling a safer, faster, and cleaner approach.

The primary objective was to recover lost schedule time from previous delays while ensuring the highest level of surface quality for subsequent coating application. Additionally, safety and environmental considerations remained a top priority throughout the project.



Challenges

The existing UHP contractor did not meet required production rates, putting the overall project timeline at serious risk. After three months on site, only approximately 20,000 square feet of removal had been completed, largely due to ongoing equipment reliability issues. AllStream took over coating removal operations to recover lost schedule time. On-site conditions added further complexity, as hull anomalies from the vessel's aged condition had the potential to affect production efficiency, and congested work areas with multiple trades operating simultaneously created additional coordination demands.

Solution / Scope of Work

AllStream mobilized personnel, robotic Ultra-High Pressure water blasting equipment, and all necessary support systems onsite. Using this technology, AllStream removed the existing coating from both the freeboard and underwater hull, preparing the surface for future maintenance and coating application. Upon completion of surface preparation, all personnel and equipment were demobilized from the site, leaving the vessel ready for the next phase of work.

Results

	UPON ARRIVAL	ALLSTREAM PERFORMANCE	AT COMPLETION
Schedule Status	Behind	Early Completion (14 Days)	Schedule Recovered
Scope Completed	Partial	~46,000 sq ft removed	Full + Expanded
Surface Quality	N/A	CSN Tested	Coating Ready

AllStream mobilized to recover the schedule, and the results exceeded expectations. In just 14 days, AllStream completed the assigned scope and expanded its role to cover additional zones originally assigned to the previous UHP contractor. Approximately 46,000 square feet of coating was removed over fourteen 12-hour shifts.

Chloride, sulfate, and nitrate (CSN) testing returned excellent results across all prepared surfaces, confirming cleanliness and coating readiness.

AllStream recovered the schedule, expanded the scope, and delivered a surface ready for coating, a true demonstration of Raising The Standard in naval surface preparation.

