

## Dam Inspection, Repair and Maintenance (IRM) Capabilities

Across the United States there are tens of thousands of dams in operation, making the safety and reliability of these structures of national, state, and local importance. Regularly scheduled inspections and maintenance of these structures can help ensure they remain operational as well as readily identify areas that need to be addressed. To complicate matters, much of a dam's structure is underwater, thereby requiring experienced diving personnel and specialized resources to perform the work.

Whether you need highly trained diving personnel, an eyeball Remotely Operated Vehicle (ROV), or use of our sophisticated Atmospheric Diving System (ADS), Phoenix has the skills and tooling required to accurately perform these assessments and IRM works.

### Services performed by divers/ADS pilots include:

- **Construction, Repair and Maintenance**

- Debris and Sediment Removal
- Cofferdam Installation
- HP Water Blast Cleaning
- Gate Slot Re-work
- Underwater Welding
- Scour Protection and Repair
- Concrete Placement
- Trash Rack Cleaning and Repair

### Contact us to learn more

[www.phnx-international.com](http://www.phnx-international.com)

985.399.0606 — Bayou Vista, LA

301.341.7800 — Largo, MD

Bayou Vista, LA | Ft. Lauderdale, FL | Houston, TX | Largo, MD

Chesapeake, VA | Aiea, HI | San Diego, CA | Stennis Space Center, MS





## • Inspections

- Nondestructive Testing (NDT)
- Mechanical and Structural
- Scour Assessment
- Inlet/Outlet Works, Penstock, and Tunnel
- Coating and Corrosion
- Weld
- Leak Detection

## Remotely Operated Vehicle (ROV) Support

In the event your underwater inspection requires both ROVs and Divers, Phoenix can assist with efficient and cost-effective options from our pool of ROVs or any of our certified subcontractors.

## Underwater Concrete Repair Experience

We have significant experience in performing underwater concrete repairs to dry dock caissons, piers, and pilings. Our concrete repair experience includes: demolition of spalls down to sound concrete; rebar removal and replacement (mechanical connections and welding); and forming and pouring new concrete.

## Certifications

- American Concrete Institute's (ACI's) criteria for inspection of concrete structures at dams
- American Society of Nondestructive Testing (ASNT) Level II Inspectors
- ASNT Level III Examiner for the development of new inspection procedures
- American Bureau of Shipping (ABS) and Det Norske Veritas (DNV) certifications for underwater inspection and survey of ships, structures and platforms



**Phoenix International Holdings, Inc.**  
An employee owned company

