



# ROV Tooling for Underwater Construction, Maintenance, and Repair Projects

## Hibbard Services

### List of Available ROV Tooling:

- Rotary cutters
- Wire cutters
- Shear cutters
- Single function manipulators
- Four function manipulators
- Five function manipulators
- Dual five function manipulators
- Lift bags
- Torque drills
- Coring drills
- Jetters (cleaning purposes)
- Pumps (debris removal)
- Bulkhead Plugs
- Grout or Epoxy Pumping
- Rotary and Linear Actuators
- Hooks and latching mechanisms
- Impact wrenches

## Hibbard Benefits

### Minimize Outages

- Unlimited Bottom Time
- Work in Low or Zero Visibility Using Sonar
- Unmanned
- No Dewatering
- Equipment Fit to Customer Need

## *Alternative Solutions to Reduce Underwater Project Costs*

Hibbard Inshore has the ability to equip almost any vehicle with specialty tooling to perform repairs, cleaning, and sampling. The vehicles have the capability of working with both hydraulic and electrical tools, and these tools can often be used in deep water, low or zero visibility, or in confined areas to complete construction tasks such as cutting, cleaning, lifting, retrieval, pumping, drilling, tightening, filling of holes or cracks, temporary or permanent bulkhead placement and removal, debris removal, trash screen removal and replacement. The ROVs can be fit with custom tooling to interface hydraulically, pneumatically, or electrically with underwater assets in order to open or close valves, actuate seals, and inflate or deflate bags. The unlimited bottom time of the vehicles can help reduce construction costs in certain instances, and because Hibbard Inshore has vehicles that are rated to work at depths of up to 2,000 meters, they can get to areas that would be otherwise unreachable by divers. This capability gives our customers the option to complete work without dewatering even when the task area is restrictive and can save on project costs as well as on undue stress to the structure resulting from dewatering.



Underwater Drill on Tool Skid With Mojave ROV



Mohican and Navajo ROVs with Manipulator Skids