



SUPSALV Overview

<u>Underwater Ship Repair</u>

(N97 & Customer Funded)

- Procedures/Technology Development
- Ship Design for Underwater Repair
- □ Up to 7:1 Return on Investment



Search & Recovery (N97 & Customer Funded)

- Air France Flight 447
- Space Shuttle Columbia & Challenger
- Ehime Maru
- □ Cargo Ship El Faro (NTSB Customer)
- DARPA/SSP Special Projects
- Malaysian Airlines Flight #370



Salvage, Towing, & Heavy Lift

(N97 & Customer Funded)

- Disaster Relief: Hurricane Sandy, Haiti Earthquake, Japan Tsunami, Hurricanes Katrina & Rita
- USNS SGT MATEJ KOCAK Grounding
- Refloating and Salvage of the Ex-SHADWELL
- USS GUARDIAN (MCM 5)

Oil Spill Response (N45)

- Deepwater Horizon Oil Spill
- Ex USS CHEHALIS Fuel Removal
- Hurricanes Katrina and Rita
- Operation Iraqi Freedom
- USS MISSISSINEWA Oil Removal
- Large Inventory Sized to Act as Tier II/III OSRO for Navy Ships/Facilities
- Emphasis on Transportability in Austere Environments

Diving/Certification (N97)

- Saturation Diving Capability
- Navy Experimental Diving UnitOne of a kind in the world
- USN Lead Service for Diving
- USN Diving Manual & Decompression Tables used worldwide
- Equipment Dev & Procurement
- Certification Authority for all DoD







SUPSALV Search & Recovery Systems



Shallow Water Intermediate Search System (SWISS) Depth - 7,000 ft

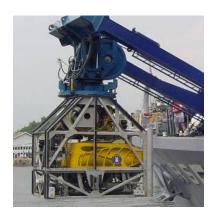


FADOSS 60-Kip Ship Motion Compensator



Orion21 Side Scan System Depth - 20,000 ft

Towed Pinger Locator (TPL)



Magnum ROV Depth - 8,000 ft



Deep Drone ROV Depth - 8,000 ft



MR2 HYDROS Depth – 5,000 ft

Cable-Controlled Underwater Recovery Vehicle (CURV) 21 ROV Depth - 20,000 ft









Search for Cargo Vessel El FARO

In support of NTSB



Search & Recovery, El Faro & VDR

