Since 1890, BISSO MARINE has continuously performed marine salvage and wreck removal operations.

Throughout its history, BISSO MARINE has performed or participated in the salvage and wreck removal of hundreds of ships, vessels, barges and drilling rigs. Our services have been performed in the inland and offshore waters of the United States as well as in South America, Asia and Africa. Our services also include firefighting, lightering of fuel and other fluids (both topside and subsea), refloating of grounded vessels, parbuckling and salvage of structurally sound vessels as well as the wreck removal of structurally compromised vessels which are often surgically cut into manageable pieces before being lifted from the seafloor.

BISSO MARINE owns and operates the largest and most diverse fleet of US based heavy lift, diving and salvage equipment. BISSO MARINE also owns and operates several technologically advanced cutting systems, alternative lifting systems and excavation systems.

The company has safely and successfully performed the following noteworthy operations:

- Open ocean salvage of several vessels a top active pipelines
- Salvage of vessels > 100 miles (160 km) offshore
- Dead Lifted a wreck from a depth of 450 feet (137.16 meters) directly to the surface
- Dead lifted 1,300 tons from a depth of 300 feet (91.44 meters) to the surface
- Extracted (21) deeply penetrated drilling rig legs with pulling forces in excess of 3,000 tons
- Successfully cut up and removed several drilling rigs at open ocean locations > 70 miles (115 km) offshore
- Designed a pulling system to laterally pull more than 10,000 tons of dead weight
- Refloated numerous grounded deep draft ships in excess of 30,000 DWT
- Performed subsea lightering operations, recovering fuel, POLs, HAZMAT & radiological sources
- Performed numerous search and recovery operations in response to vessel casualties
- Excavated below mudline to a depth of 110 feet (33.5 meters,) in a water depth of 320 feet (97.5 meters)
SALVAGE OPERATIONS OVERVIEW

SALVAGE & WRECK REMOVAL
- Blue Water & Brown Water - Open Ocean, Offshore, Coastal and Inland capabilities
- Vessel recovery - Refloating & Stabilization
- Wreck Removal - Subsea Demolition & Cutting – Chain & “Diamond” Wire Systems
- Marine Pollution – Mitigation & Liquids Lightering
- Wreck Excavation

SUBSEA/SURFACE - LIFTING, LOWERING & PULLING
- Chain Pullers - 7,500 s. tons Maximum Capacity
- 4.25”Ø wire Traction Winch – up to 500 s. tons (single line pull)
  - Wire capacity 4.25” (108mm) Ø x 12,000’ (3,650m)
- 3.5”Ø wire Lucker Wire Puller – up to 300 s. tons (single line pull)
  - Wire spooler capacity 3.5” (89mm) Ø x 6,500’ (1,980m)
- Skid Mounted Pulling Blocks - 1.5” (38mm) Ø wire - up to 1,200 s. tons
- Winches up to 275 s. tons pulling capacity – up to 2.75” (70mm) Ø x 5,500’ (1,670m)

OFFSHORE POSITION SURVEY
- Position and Anchor Plot Surveys
- Mesotech and Mapping Survey

DIVING
- IMCA member
- Surface Air, Gas & Saturation Diving
- Underwater Welding & Burning
- Subsea Liquids Lightering
- Subsea HAZMAT Mitigation & Recovery
- Zero Visibility, High Current & Cold Water Conditions
c. 1900 Hand Powered Screw Jacks

c. 1910 Inland Tug Salvage – Mississippi River

1945 Inland Tug Salvage – Mississippi River

1966 – Freighter – Mississippi River

1959 – Drilling Rig Salvage – Gulf of Mexico

1978 – Hopper Barge Stuck in Dam - Arkansas River
150’ (45m) Offshore Survey Vessel – 450 tons

180’ (55m) Dive Survey Vessel – 1,200 tons

Drill Rig Wreck Removal – 6,000 tons

Mid-body Wreck Removal – 1,200 tons

130’ (56m) Anchor Handling Tug – 800 tons

Posted Drill Rig – 2,400 tons
Salvaged 27,500 tons of Drill Rig legs from (7) Rigs

Drill Rig Bow Section – 700 tons

Drill Rig Leg Excavation

245 Class Liftboat – 675 tons

200 Class Liftboat – 550 tons

Recovering Drill Rig Leg Penetrated in seafloor – 3,000 tons
OFFSHORE SALVAGE & WRECK REMOVAL

7,000 BHP Anchor Handling Tug – 900 tons

300' (91m) Drill Rig Leg – 1,300 tons

130' (39m) OSV – from 60' (18m) water & 60' (18m) of mud

(SCAN QR CODE WITH SMART PHONE FOR LINK TO PROJECT ANIMATION)
Recovering Penetrated Drill Rig Legs – From - 320' (97m) of water and - 110' (33m) Below Mud

(SCAN QR CODE WITH SMART PHONE FOR LINK TO PROJECT ANIMATION)
180' (54m) Offshore Supply Vessel – 800 tons

Section of Drydock – 1,200 tons

250' (76m) DP Dive Support Vessel – 1,500 tons

10,000 bbl Oil Barge – Wrapped Around Bridge Pier

10,000 HP River Lineboat – 1,400 tons

Ship Loader – 900 tons
INLAND SALVAGE & WRECK REMOVAL

85' (26m) Multi Cat Dredge Tender – 300 tons

80' (24m) Inland Pushboat –300 tons

195' (59m) Inland Hopper Barge – 250 Tons

Rolling a 100’ (30m) Tug – 500 tons

Refloating Grounded Crane Barge – 900 tons

Refloating Grounded Barge – 400 tons
INLAND SALVAGE &
WRECK REMOVAL

- Refloated Grounded 10,000 ton Drydock with 110,000 BBL Oil Barge
- Removed (2) Inland Hopper Barges from a Railroad Bridge under the Interstate 10 bridge
- Removed 110' (33m) Tug from a Grounded Drydock 550 tons
EMERGENCY RESPONSE & RESCUE SALVAGES

- Ship to Ship Transfers
- Replacement of a Ship Loader Damaged by Hurricane
- Salvage of Capsized Accommodations Semi Submersible
- Firefighting Response
- Rescue of down flooded Semi Submersible
- Refloating Grounded Container Ship
(12) 300 Metric Ton / 330 Short Ton / 674 Kips Capacity Chain Pullers

Designed for continuously pulling 3” (76mm) Grade 4 chain

Pulling Stroke – 5’ 8.9” (1.75 meters)

Manually Operated or Synchronized Automatic PLC control
(3) Portable Pumping Systems:
2,800 GPM @ 1,150 PSI
UNION, 6 X 10 X 18, 4 Stage
3,640 RPM

(2) Portable Pumping Systems:
3,000 GPM @ 300 PSI
PATTERSON, 10 X 10 DMD, 2 Stage
1,800 RPM

24” (609mm) Ø Airlift
Having “ingested” wire rope and welding ground cables, yet continued to perform as designed
BISSO MARINE owns and utilizes several patented Cutting Tools and Systems.

Each system offers a specific capability for controlled and consistent cutting performances for both “dry” topside and “wet” subsea projects.
MESOTECH SONAR SURVEY

Excavating Drilling Rig & Legs

Hurricane Toppled Production Platform & Debris Field

130’ x 100’ (39.6m x 32.8m) Drilling Rig Mat

Hurricane Damaged Drilling Rig Legs & Platform
POSITION VERIFICATION & ANCHOR PLACEMENTS