

Rocket Booster Recovery

Precision Subsea Solutions for Space Launch Recovery

Space launch operations do not end when the rocket leaves the pad. Recovering valuable booster components from the ocean requires precision technology, experienced personnel, and rapid response capabilities. Phoenix delivers all three.

By integrating advanced subsea technologies—including our Remora ROV, Towed Pinger Locator (TPL), and Side-Scan Sonar—Phoenix provides safe, efficient, and reliable recovery services for commercial space providers and government launch programs.

Core Capabilities

Booster Location & Identification

Acoustic tracking, sonar mapping, visual confirmation, and precise navigation.

Inspection & Documentation

Real-time video, detailed condition assessments, and engineering data capture.

Recovery Operations

Rigging, lift line installation, and integration with recovery vessels and crane systems.

Post-Recovery Support

Stabilization, transport prep, and coordination with client teams.

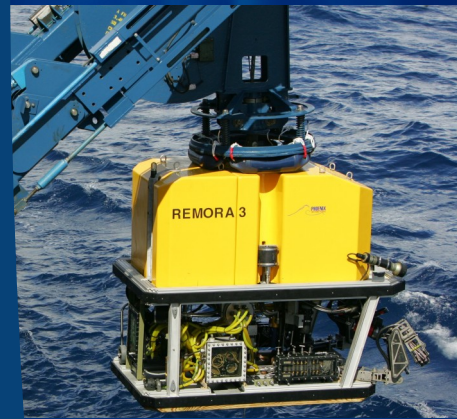
Contact us to learn more

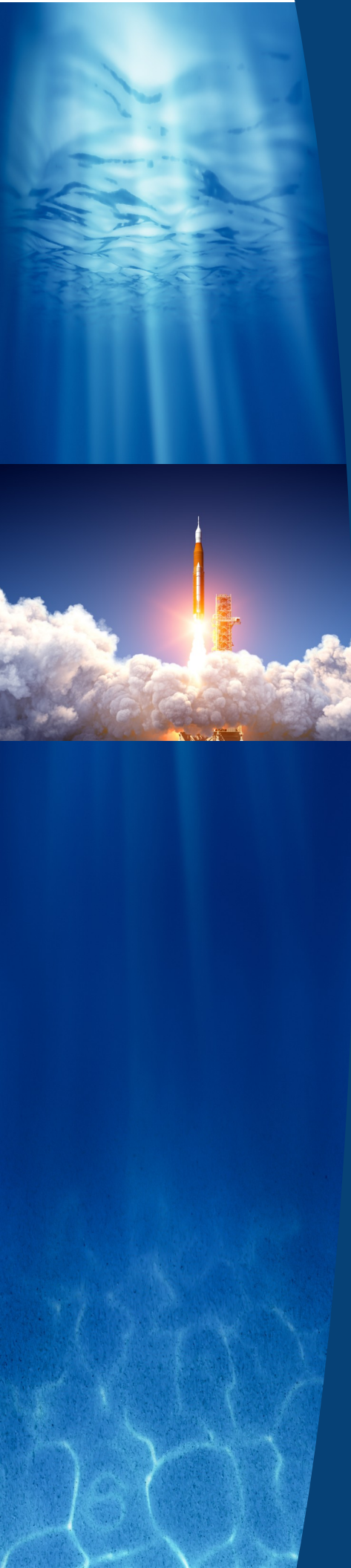
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Integrated Approach

Detection & Tracking – Towed Pinger Locator (TPL)

Detects acoustic signals from submerged hardware up to 6,000 meters, allowing rapid localization and reduced search time.

Components: Tow fish, cable, winch, HPU, generator, topside console

Capabilities: Passive acoustic detection (0–48 kHz), real-time GPS/data logging, 3D mapping for accurate location

Seabed Survey – Side-Scan Sonar

Provides wide-area seabed imaging to quickly locate debris fields and pinpoint booster components. Systems are rapidly deployed through trusted vendors and paired with towing winches rated to 2,000 msw with up to 4,000 meters of cable.

Applications: Seabed mapping, wreck/debris location, search & recovery

Surveys: Pipeline/cable routes, environmental and geophysical assessments

Inspection & Recovery – Remora ROV

Delivers high-definition visuals, precision manipulation, and controlled recovery operations.

Remora is a 40 HP electro-hydraulic ROV with dual manipulators and through-frame lift capability, rated to 6,000 meters (20,000 ft). Designed and built in-house, it is engineered for reliable performance in extreme deepwater environments.

Why Phoenix

- Proven subsea recovery expertise
- Rapid mobilization from U.S. bases
- Advanced ROV, TPL, and sonar systems
- Integrated marine and engineering support
- Decades of offshore operational experience

Phoenix International Holdings, Inc.

An employee owned company

