



**MAN OVERBOARD
RECOVERY SOLUTIONS**



Mission Statement

Our experience and respect for the water inspires us to be the best and innovate easy-to-use water recovery products.

- Born into a Tug family at Hawaii Smith Maritime
- Tug Capt. for over 25 years
- Ran conventional tugs, ASD tractors, ship docking, pushed and towed barges
- Trained crews and Captains



Shane at home in the wheelhouse

- Started with the notion of helping crews
- Has grown from a davit to a full system with training
- Has written procedures for all workboat MOB's
- Computer based training and certification coming soon
- Designed by Tug Captain for Tug crews



- Uninspected tugs to inspected
- CG option may require an underway MOB drill
- 140.425
Companies must have policies and procedures for the recovery of a person in the water
- Company can frame it how they want
- Requiring crews to be first responders

- 140.420: Master must train crews & do MOB drills as if it's an emergency
- Yearly Training & new crew must be trained
- TPO option has them verifying what was used to support the MOB drills
- Drills must be done as if it's an emergency
- Rescue with a ladder / Recovery must assume the person can't help



C-Hero Equipment

- Intentionally designed for human retrieval
- Ease of use, one-person operation
- Davits:
 - Easy to store
 - Easy to deploy on bitts or a bracket
- Rescue poles to fit the needs of the customer
- Easy & affordable with fleet pricing and leasing
- Type Approved by Decatur Marine

C-Hero Recovery Requirements

- Lightweight, quick to setup on either side of the boat
- System only requires 1 person for the recovery
- Lifting winch/davit combination must be man-rated
- Rescue pole must deal with persons floating with feet down
- Davit needs to clear fenders and tires to avoid injury
- Entire C-Hero Rescue Davit and Rescue Pole is type certified by U.S. Coast Guard TPO Decatur Marine



Recent Maritime Incidents



July 4, 2019 - Captain David Whitemarsh goes overboard from tug “Polar Ranger”



- Even with another boat assisting, it took 10 to 15 minutes to get him aboard, and they were unable to revive the Captain

September 2, 2019 – Dive boat “Conception” catches fire and sinks quickly with the loss of 24 passengers and one crew member



Car Carrier Golden Ray



September 8, 2019

- The 656-foot vehicle carrier Golden Ray which can carry up to 6,933 cars capsized and caught fire in St. Simons Sound off the coast of Brunswick, Georgia.
- The crew and pilot were all rescued, with the last 4 brought out through a hole drilled and cut through the bottom of the ship by Harken's Elevated Rescue team.

Partial List of Customers



GREAT LAKES
DREDGE & DOCK
COMPANY, LLC



METAL SHARK
METALSHARKBOATS.COM



LeBeouf Bros. Towing, LLC



Marine Towing of Tampa



BOSTON HARBOR CRUISES

Preview, the C-Hero® VR-12 Horizontal Rescue Pole

- A version of the VR-12 “Vertical” Rescue Pole, plus additional webbing to lift person in a horizontal seated position

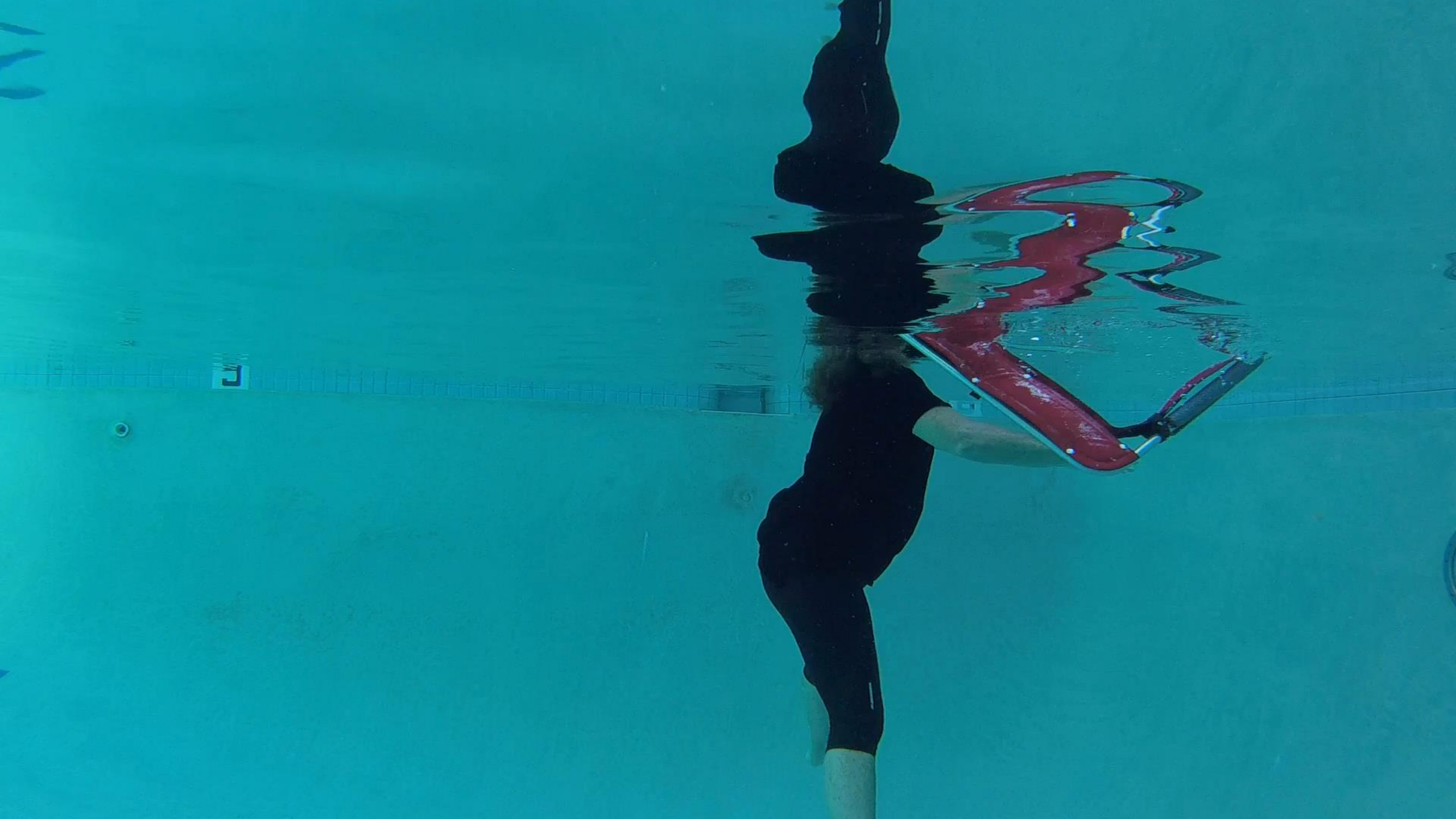
Lifting Positions

VR-12



HR-12





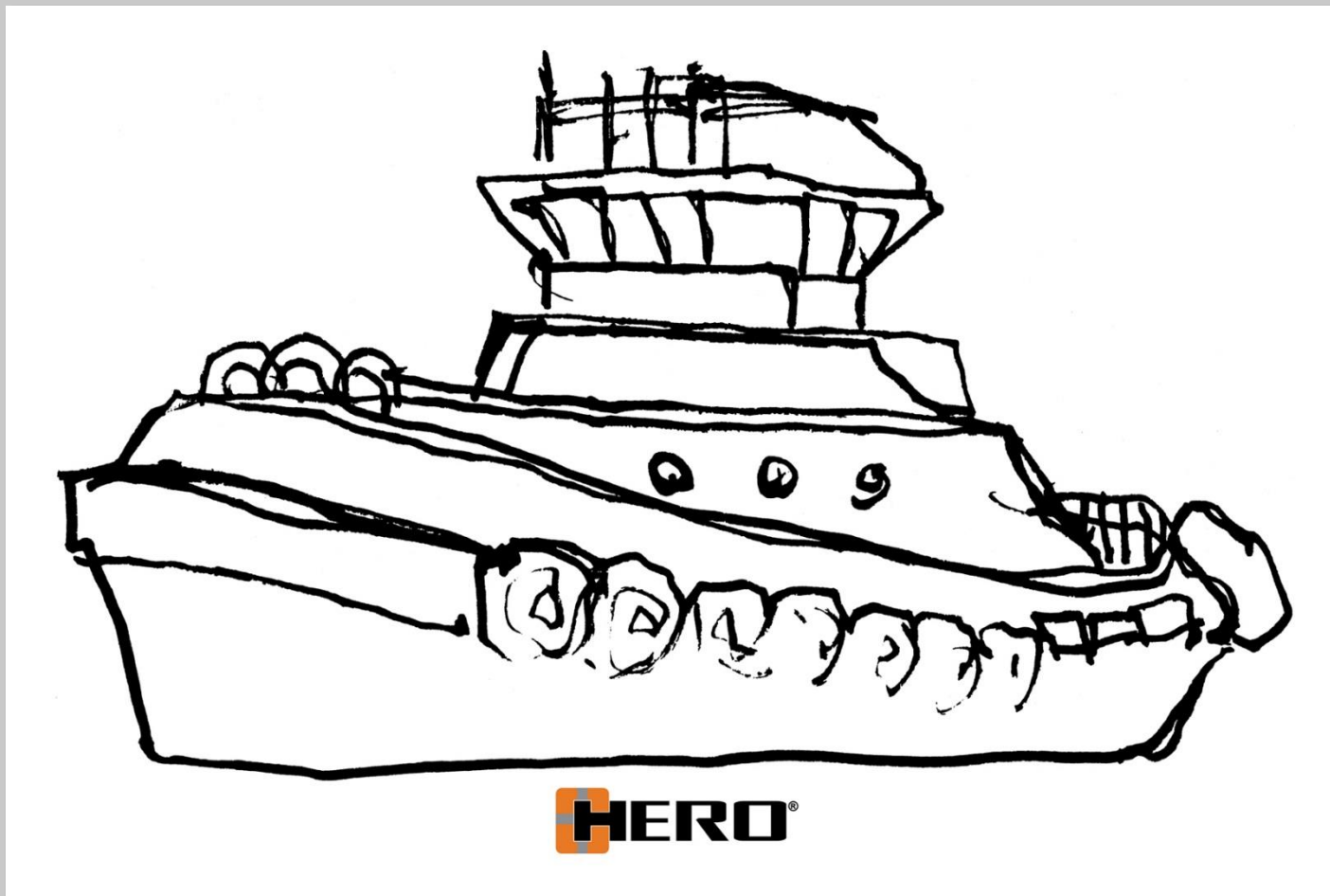
1. Rescue Pole with Recovery Straps

Two Combinations:

2. Bitt Mount Rescue Davit and VR-12 Rescue Pole

3. Bitt Mount Rescue Davit and HR-12 Horizontal Pole
Introduction package at Work Boat Show

Tugboat Postcard



Tugboat Postcard



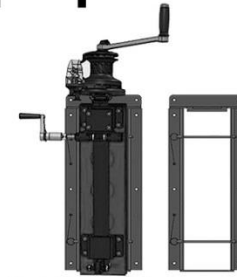
MOB Rescue Equipment



Bitt Mount Rescue Davit
Portable Davit that mounts on the side
bitts of a tug for a quick 1 person recovery
with Rescue Pole for a complete system



VR12 Rescue Pole
Provides for a quick recovery of
conscious or unconscious people,
to be lifted out vertically



Flat Mount Rescue Davit
Portable Davit that mounts
on any flat surface for a
versatile lifting device



VR12 Rescue Pole with Recovery Strap
VR-12 plus added manual lifting
strap with handles for a vertical
lift by 1 or 2 crew members



HR12 Horizontal Rescue Pole
VR-12 plus additional webbing
to lift person in a horizontal
seated position

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How to Get Started

Come see our exhibit, or visit our website at



C-Hero.com

OR

415-891-8353