



## SeaBotix Containerized Delivery System

**The SeaBotix Containerized Delivery System (CDS) is the first rapid response, fully self-contained, 4,000 meter depth rated ROV system.**

The CDS is a revolutionary system for deepwater observation and light duty work. Traditionally, large, expensive Work Class ROV systems that take days to mobilize have been used for these missions. The CDS is a simpler, cost-effective approach offering a fully self-contained deepwater observation package including customizable control room, workspace, active heave compensated winch, LARS, TMS, and 4,000m rated vectored ROV (vLBV4000).

With only a small crew requirement, the CDS system is simple to deploy, operate and service. A host of features are included to handle demanding offshore conditions.

CDS mobilization is greatly simplified with the single container solution resulting in expedited deployment at a fraction of traditional costs. This also reduces the size and complexity of the vessel required resulting in increased flexibility and significant reductions in response times and overall mission costs.

The included vLBV4000 is an incredibly stable, powerful, sensor-rich ROV with the ability to inspect tight areas in complex structures at depth like never before. A host of options are available to match client needs including choice of pilot-mounted or desk-mounted controls, various depth ratings, and multiple sensor packages.

- Rapid mobilization/demobilization
- Single 20ft Container DNV 2.7.1 & 2.7.2
- 4,000 meter depth capability
- Active heave compensated winch
- Launch and recovery boom with 3 meter extension
- Tether Management System with 200 meter excursion tether
- Vectored Little Benthic Vehicle with extensive sensor suite options
- Integrated control room with control station, storage and work area

## Container

Dimensions:	6,058mm x 2,438mm x 2,519mm (20ft x 8ft x 8.3ft)
Weight:	13,000kg (29,000lbs)
Structural:	DNV 2.7.1 & 2.7.2 certification
Fire Rating:	SOLAS Compliant - A60 for control room
Power Supply:	380VAC - 480VAC, 60Hz, 3 phases
Lifting Feature:	Single Point Lifting

## Launch and Recovery System

Winch:	Active heave compensated, dual drive, 4250m capacity
Overboard Reach:	3m (9.8ft)
Min Safe Working Load:	14kN (3g loading)
Winch Capacity:	4,250m (14,000ft)
Max Dynamic Vertical Load:	42kN (3x safety factor)
Max Inhaul Speed:	30-50m/min (100-200ft/min) (depending on layer)
Umbilical Diameter:	16.9mm (0.67in)
Min Breaking Strength:	80kN
Level Wind:	680mm (26.8in), diameter
Overboard Sheave:	680mm (26.8in), diameter



## Control Room

Configuration:	Customizable chair or desk mounted controls, workbench, cabinets, 19in rack
PDU:	Compact PDU
Monitors:	Up to six monitors, customizable
HVAC:	18,000 BTU commercial grade with heat pump & make-up air

## Tether Management System (TMS)

Dimensions:	1055 x 1030 x 1655mm
Weight in Air:	~450kg (990lb)
Tether Length:	200m (655ft)
Tether Diameter:	~10mm (0.39in)

## vLBV4000

Depth Rating:	4,000m (13,000ft)
Dimensions:	625mm x 390mm x 390mm (24.6in x 15.4in x 15.4in)
Weight in Air:	22kg (48.5lbs)
Thrusters:	6 x oil-compensated Brushless DC 2 vertical, 4 vectored horizontal
Bollard Thrust:	18.1-22.5kg f (39.7-49.6lb f), forward 7.3-15.2kg f (16-33.5lb f), lateral 10kg f (22lb f), vertical
Cameras:	Low light color, ultra low light B/W
Lighting:	Tilting ultra bright LED, 4,320 Lumen
Grabber:	Single function, three jaw



## Options

Sonar:	Scanning sonar, multi-beam sonar, profiling sonar
Tracking:	USBL positioning system
Grabber:	Parallel, interlocking, cutter attachments
Other:	Customizable solutions to meet client requirements