

A containerable, trailerable, fast maneuverable and comfortable sea-grade aluminum cabin boat, with built-in pre-calibrated survey equipment, such as but not limited to single or multi-beam. The boat is a turn-key survey vessel, calibrated and ready to survey. Crews can reach and survey larger areas in less time, the pre-calibrated survey equipment allows them to quickly start working. It works fast and comfortable for its crew. It saves a lot of time and money for her (end) users.



Commercial & Operational deployment

This boat can be quickly deployed in various areas. Its light-weight aluminum body makes the boat both easily transportable in a standard high cube container, on a standard road trailer and is liftable onto a dredging mothership, thus providing a great commercial scope. Its top speed of 45km/h makes for quick and easy transfers to the survey locations. Its survey speeds up to 32 km/h make for efficient and quick coverage of large areas. It has a spacious and comfortable cabin, with lots of workspace for 2-4 crew, suspension seats, autopilot, air conditioning and heater.

Design

The new Plug & Play Survey boat 7.25 by Stema Systems is especially designed for both high and low speed surveying. Hullshape, stern drive and trim tabs provide for a clean water flow, level ride and controlled maneuvers in all operational speed areas, essential for good surveying results. The interior design aims at operational efficiency and weight saving, but considers the comfort of the crew at the same time. Stema Systems uses the two available moon pools, just behind the cabin, for fixed mounting of

KEY BENEFITS

- ✓ Plug & Play, ready to survey
- ✓ No mobilization or de-mobilization
- ✓ Stable, fast and great maneuverability
- ✓ Fits container with processing space
- ✓ Base station in container
- ✓ Comes with calibrated survey equipment
- ✓ Easy trailering & containering
- ✓ Fast surveys up to 32 km/h
- ✓ Transfer speed up to 44 km/h

State of art survey tools - This survey boat comes with first class, fully integrated survey equipment, already tailored to your needs. The R2Sonic market leading multibeam brand is flawlessly integrated into the hull. Whether you need extremely high detail, or where cost efficiency is the main driver, a suitable option is at hand. Several motion sensing, positioning and inertial navigation choices are available. All systems will be pre-installed and calibrated by Stema Systems, ready to start surveying immediately.

Stema Systems 30 years of surveying experience within the hydrography, geophysical field and our research has led to the design of this practical, highly maneuverable lightweight, trailerable and containerable boat. Reason for us to build our boat was to get the highest quality data while surveying and to minimize the mob and demob costs. Now you just need a sailing surveyor to do the job.

Characteristics

LOA	7,25 m
BOA	2,28 m
Draft	0.70 m
Dry Weight	2220 kg incl. engines
Engine	Honda LKU
Type	2 outboard 60hp
Propulsion	Stern drive
Speed	45 km/h
Range	+/- 275 km
Fuel	190 L
Crew limit	4
Winch	Smart winch Stema

Hull & Cabin

Material	5 mm sea grade aluminum
Shape	V- bottom
Routing	Adjustable trim tabs
Climate	Air-conditioned cabin
Windows	Double glazing
Transport	Trailerable
Transport	Containerable
Lifting	Hoisting eyes
Rack	19" standard rack

Interior

Bench & desk for surveyors
 Comfortable captain chair
 Waterproof interior
 Woodwork Storage compartments
 Necessary sailing equipment
 Chart plotter, radar, autopilot, etc.
 Cabin

40 ft HC Container
 Workspace contains:
 Total station & internet ready connection.
 Sleep & shower facility

Survey Equipment

Multibeam:	R2Sonic
Singlebeam:	Stema EBP
Geotechnical:	Rheotune
Motion sensor:	IX Blue
Sound Velocity:	AML
Positioning:	Stema GNSS
Software:	Silas, Quinsy



All specifications and standard features are subject to change. Please contact Stema Systems for more information.

