



BUSCH MARINE INC

www.BuschMarine.com

Experience Seamless Ocean Exploration with the RV Christina Busch—Busch Marine's Premier All-in-One Research Solution



EXPLORE THE OCEAN LIKE NEVER BEFORE ... TO 6000M
+1 989-798-4794 OR INFO@BUSCHMARINE.COM
734 JERSEY ST, PLAINWELL MI 49080 USA



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Why Choose Busch Marine?

Eliminate the hassle of coordinating multiple suppliers and piecing together separate systems. The RV Christina Busch from Busch Marine Inc. is your comprehensive, turnkey answer for ocean research, combining critical components you need into one ready-to-launch vessel. With its 25,000lbs Nautilus crane, 4,000lbs Launch and Recovery System (LARS), Dynamic Positioning, and advanced three-point anchoring, everything required for deploying, retrieving, and stabilizing heavy or sensitive equipment is already on board—no need to source or integrate extra gear.

The vessel's onboard laboratory allows you to analyze data as it's collected. The included tender boat, two 6000M Remotely Operated Vehicles (ROVs), and a 6000M towable research vessel provides unmatched versatility and access to both shallow and deep environments—all without the delays and costs of renting or adapting outside equipment.

You'll also find a suite of advanced scientific and sub-sea tools, including hyperspectral imaging systems enhanced by AI-assisted learning, ensuring that every aspect of your mission is supported from the moment you set sail. By offering a complete package—meticulously designed to work together—Busch Marine Inc. saves you precious time, minimizes loading costs and logistical complexity, and reduces budget overruns. With the RV Christina Busch, you're free to focus entirely on discovery, confident that every tool, system, and support is already in place to make your expedition an outstanding success.

With Busch Marine, you don't have to spend a week or more loading and installing equipment from multiple vendors—it's already onboard.

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RV Christina Busch

120' DP Science and Technology Research Vessel



RV Christina Busch is an advanced platform for scientific discovery. Our research vessel facilitates oceanographic, biological, cultural heritage, and geophysical research by serving as a mobile work platform and laboratory.

Outfitted with sophisticated technology, ocean-going satellite communications, and comfortable living quarters, RV Christina Busch enables multidisciplinary teams to conduct high-caliber research while on the open sea.

- Hyperspectral Imaging with AI-Assisted Learning
- Marine Habitat Restoration
- Geology & Mineralogy
- Climate Studies
- Resource Assessment
- Environmental Monitoring
- Photogrammetry
- Cultural Heritage
- Marine Ecology

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RV Christina Busch

Vessel Accommodations



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RV Christina Busch

Vessel Description

MAIN CHARACTERISTICS

VESSEL NAME: CHRISTINA BUSCH

FLAG PORT OF REGISTRY: USA

GROSS TONNAGE: 99 TONS

VESSEL DIMENSIONS

LENGTH: 120'

BEAM: 26'

DEPTH: 9'

CLEAR DECK SPACE: 70'X25'

DECK LOAD: 100 TONS

PROPULSION

MAIN ENGINES: DETROIT DIESEL

MODEL: 16V92

MAX HP: 1200 HP

STEERING: HYDRAULIC

REDUCTION GEARS: TWIN DISC

MODEL: 527

STERN CONTROL: YES

SPEED: 12 KNOTS

BOW THRUSTER: 200 HP

PROPELLERS: 2

ELECTRONICS

RADARS: 3 FURUNO

RADIOS: 2 VHF, 1SSB

FATHOMETER: YES

INTERNET: STARLINK GLOBAL O-G

GPS: 3 COMNAV, FURUNO, GARMIN

NAVTEC: YES

PLOTTER: YES

ECDIS: FURUNO

DYNAMIC POSITIONING: DP BEIER RADIO SYSTEMS

CAPACITIES

FUEL CAPACITY: 32,000 GALLONS

POTABLE WATER: 2,000 GALLONS

BALLAST WATER: 65,000 GALLONS

FIRE MONITOR: YES

ANCHOR WINDLASS: YES

ANCHOR: YES (3 POINT ANCHOR SYSTEM)

GENERATORS

MAKE: 3

MODEL: 2-DD 371 40 KW, 1-CAT 3406 260 KW

HORSEPOWER: 120 HP, 375 HP

VOLTAGE: 110, 208, 415, 416

SPECIAL EQUIPMENT

25,000 lb Nautilus crane, man-rated

4,000 lb Launch and Recovery System

HPU FOR DECK GEAR

MACARTNEY R10 FIBEROPTIC WINCH WITH 17,000' CABLE

BADGER, CHASE/SURVEY BOAT—8X18X2, 30 KNOTS

Full selection of diving equipment

Edgetech 4200 Side-scan sonar

MAGNETICS MAGNETOMETER

Survey grade GPS

SonarWiz mosaicing software

Tracklink USBL

Photogrammetry software

Two 6000M ROVs

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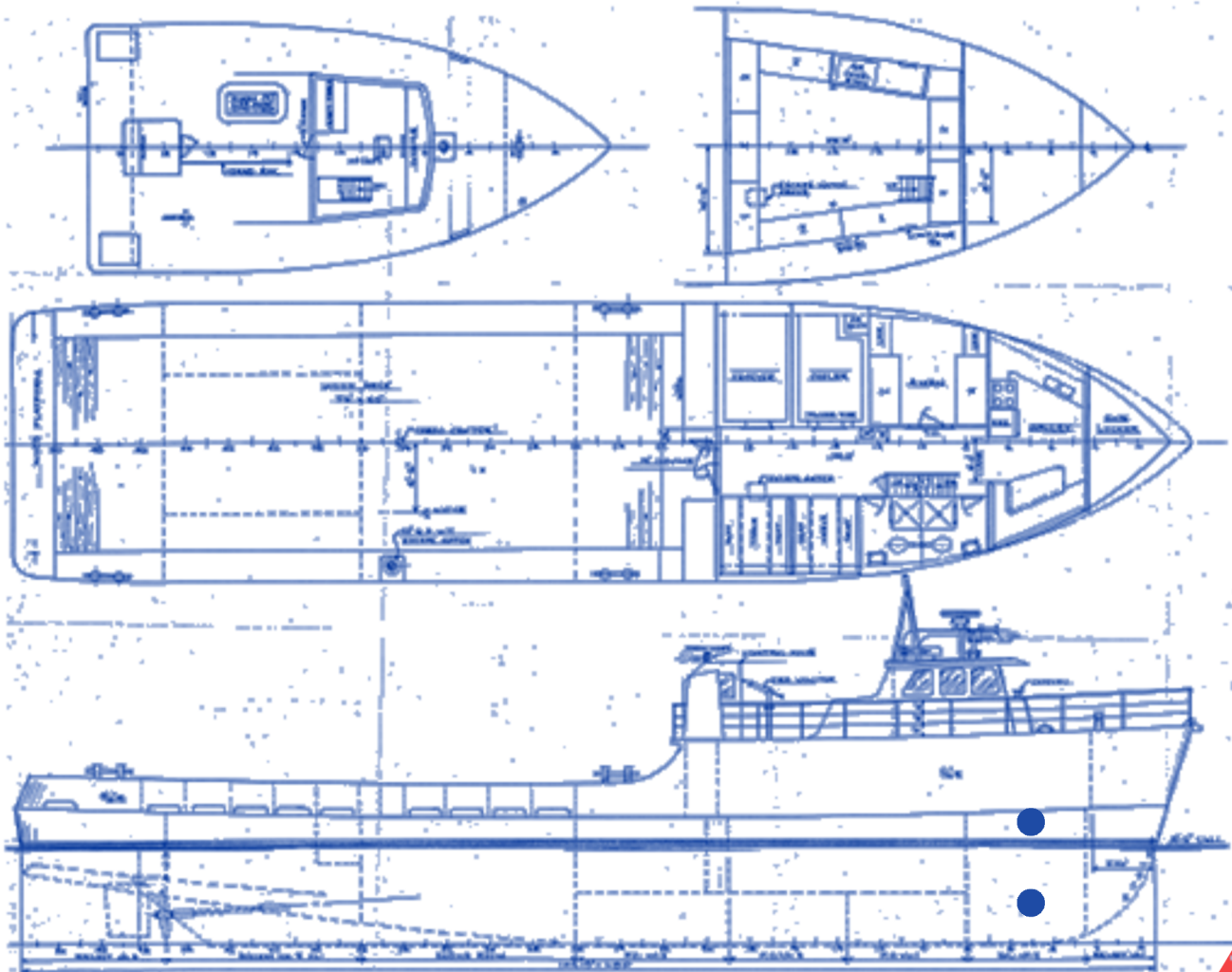


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Vessel Drawings



*Crane and LARS not shown

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Survey and Chase Boats

Somerset III

SIZE: 30' X 11'6" X 3'

ENGINES: 2 CRUSADER

454 350HP

Full navigation equipment

2 Davits for equipment

10,000 lb equipment winch

1,000' cable reel

110 v ac inverter

Galley with microwave and refrigerator

Bathroom

2 bunks

30 knots top speed

TriAxle trailer

Weight 17,000lbs

Road towable



Badger

SIZE: 18' X 8' X 2'

ENGINES: Mercruiser I/O 230

Full Navigation Equipment

30 knots max speed

1996 EZ LOADER Boat Trailer

Weight 4,600 lbs

Road towable



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Deep Ocean Surveyor

Key Features and Instrumentation

Non-Invasive, Low Disturbance Towable Research Vessel

6000M Depth Rated

Hyperspectral Imaging System with AI-Assisted Learning

Still and Video Cameras

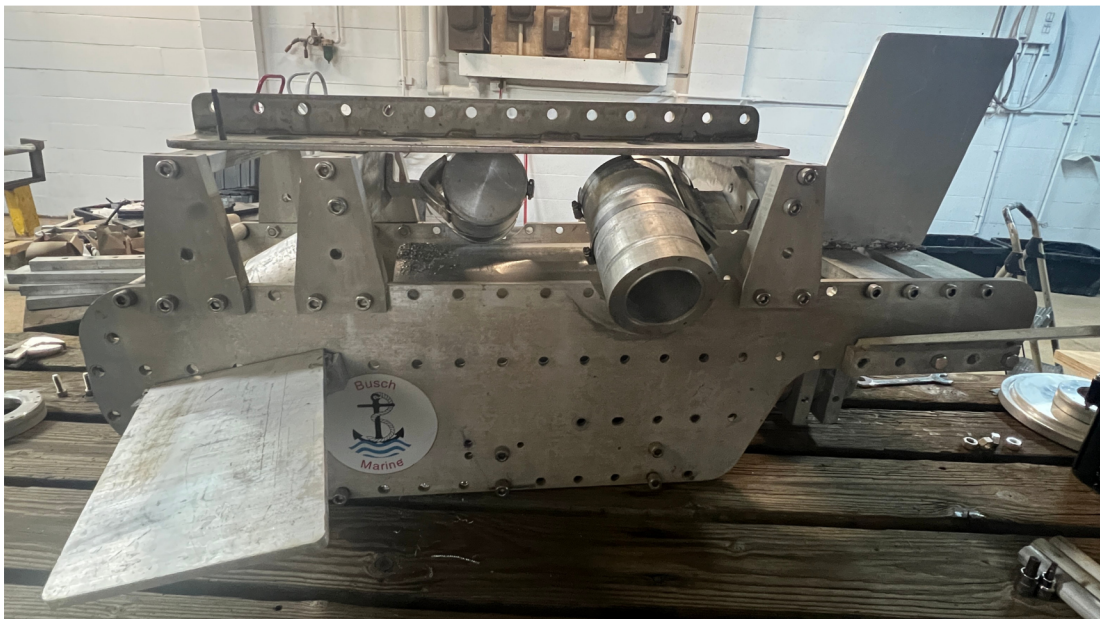
Proprietary 2700K - 6500K Lighting Array

Photogrammetry

Side Scan Sonar

Altimeter and Automatic Altitude Hold

Electromagnetic Conductivity



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Deep Ocean Prospector

Key Features and Instrumentation

Work Class Dredge ROV
6000M Depth Rated
Venturi Dredge
Specimen Sample Collector Tray
Sediment Classification System
Hyperspectral Imaging System
with AI-Assisted Learning
Still and Video Cameras
Electromagnetic Conductivity
Photogrammetry
Scanning Sonar
Altimeter and Automatic Altitude Hold
Schilling Conan 7F Manipulator-250 lb Extended Horizontal
Lift Capacity, Interchangeable Grips
Proprietary 2700K - 6500K Lighting Array



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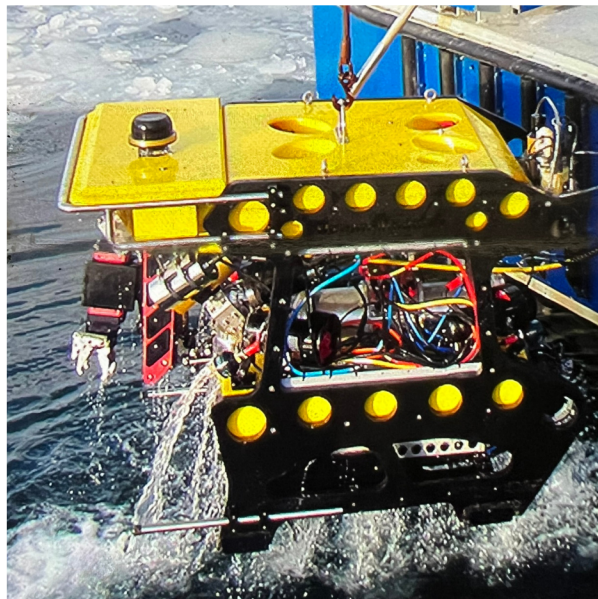


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Light Work-Class 6000M ROV

Key Features and Instrumentation

Light Work-Class ROV
6000M Depth Rated
Exail ARM 5e Manipulator with 27kg Extended Horizontal lift
Capacity, Interchangeable Grips
Unique 360° Maneuvering System
Detachable Marine Habitat Restoration and Remediation Skids
Proprietary Multi-Temperature Lighting Array
Altimeter and Automatic Altitude Hold
Hyperspectral Imaging System with AI-Assisted Learning
Still and Video Cameras
Electromagnetic
Conductivity
Photogrammetry
Scanning Sonar



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PC1201 1000' 3-Person Certified Submersible

Key Features and Instrumentation

Classification: +A1 Manned Submersible by the American Bureau of Shipping (ABS)

PC1201 comes complete with a 20-foot workshop/spares container equipped with everything necessary to support operations either from a vessel or in a remote location. PC1201 has a wide array of optional equipment, from seven function manipulators to high resolution color imaging sonar.



This highly maneuverable craft is powered entirely by Lithium batteries housed in external pods. The submarine accommodates two passengers and a pilot and uses a main propulsion motor and four thrusters for excellent maneuvering capability. It is equipped with powerful LED underwater lights to enhance viewing in deep/dark water or to bring out the natural colors not seen with ambient light at depth.

Visit www.BuschMarine.com for a comprehensive specifications and capabilities list.

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Rental Equipment Available

For Individual Rental

- Edgetech 4200 Side-Scan Sonar
- Magnetometer
- 4k TV Cameras
- Pivot Navigator ROV
- AC-RO50 ROV
- ROV Testing Pool with current at our facilities in Plainwell Michigan

Contact us today for pricing and availability.

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