

# CRUISE SUB SERIES

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SHARE YOUR DEEPSEA EXPERIENCES

5 – 11 OCCUPANTS  
200M – 1700M



## Share your Deepsea Experiences

The Cruise Sub series offers cruise liners, high-end tourism operators, deep ocean researchers, documentary makers and discerning private explorers a broad selection of submersibles for 5, 7, 9 or 11 people that can dive to depths of 200 meters to 1,700 meters.

These unique submarines can accommodate the largest number of occupants of all U-Boat Worx submersibles, while delivering first-class performance, revolving seats, and the ultimate in comfort. Thanks to the double-ended viewport design and numerous interior and exterior customisation options, these submersibles can be adapted to suit many different applications.



## CRUISE SUB SERIES OVERVIEW

CRUISE SUB 5



### DEPTH

- UP TO 500 METERS
- UP TO 1,140 METERS
- UP TO 1,700 METERS



### WEIGHT

- 8,500 KG
- 11,000 KG
- 16,000 KG



### OCCUPANCY

- 1 PILOT
- 4 PASSENGERS



### ENDURANCE

- UP TO 18 HOURS

CRUISE SUB 7



### DEPTH

- UP TO 300 METERS
- UP TO 1,140 METERS



### WEIGHT

- 10,000 KG
- 14,500 KG



### OCCUPANCY

- 1 PILOT
- 6 PASSENGERS



### ENDURANCE

- UP TO 18 HOURS



## BALLAST & BUOYANCY SYSTEMS

Number of Ballast Tanks	4
Compressed Air Capacity	4 x 50 liter @ 200 bar (300-500 meter) 2 x 100 liter @ 300 bar (1,140 - 1,700 meter)
Hydraulically Released Weight	Yes
Buoyancy Tank	Yes

## POWER CAPACITY

Total Power Capacity	62 kWh
Battery Type	Pressure-tolerant High Capacity Lithium-ion
Propulsion System Capacity	2 x 260 VDC Battery Packs
House System Capacity	2 x 24 VDC Battery Packs
Charging (Optimal Cycle)	6 hours
Emergency Battery	96 hours for Critical Systems

## PROPULSION

Propulsion Type	Electrical
Propulsion	6 or 8 x 5.5 - 6.4 kW thrusters
Surface Speed	3 knots
Underwater Speed	3 knots

## LIFE SUPPORT SYSTEMS

Oxygen System	Continuous Flow
Mission Oxygen Capacity	5-7 liter (Quick Exchange)
Carbon Dioxide Removal	8 hours with Calcium-Hydroxide
Survival Period	96 hours
Emergency CO <sub>2</sub> Removal	Lithium-Hydroxide Blankets
Autonomous Breathing Devices	5, 7, 9 or 11 (depending on occupants)
Life Support Monitoring	2 independent life support monitors (O <sub>2</sub> - CO <sub>2</sub> )

## NAVIGATION, COMMUNICATION, AUXILIARY

Air Conditioner System	2 x 7,000 BTU
Underwater Communication	Single sideband acoustic telephone, 7/25 kHz
Surface Communication	VHF Handheld Unit
Navigation	Echosounder, Electronic Compass
Control System	MANTA controller, MARLIN controller
U-Boat Worx Information System	Alarm System, Battery Status, Thruster Status, Sensor Status, Internal Pressure, Depth, Electrical Insulation Monitoring, Water Ingress Sensors, Freon Sensor, Buoyancy Tank Level Indicator, Internal and External Temperature
Safety Equipment	Pinger Locator Beacon System, Emergency Releasable Buoy, Maximum Depth Protection, Dead-man Switch, Fire Extinguisher, External Air Connection for diver-assisted ascent, Xenon Flasher
Other	Protective Covers for Acrylic Viewports, Checklists and Manuals, Topside Communication Unit, Battery Charger

# About U-Boat Worx

At U-Boat Worx we do everything possible to give you the best and safest diving experience possible. Since our start in 2005 we have grown to become the largest private submersible builder in the world. Our large fleet consists of 20 different models, and has changed the standards for private submersibles.

Each U-Boat Worx submersible is engineered and built to the highest standards. Leading Classification Society DNV GL individually classes each submersible by extensively testing each component. It is our innovation and in-house engineering that have led to many “world-firsts” and achievements that illustrate how our owners explore with the best submersibles.

We are the only submersible manufacturer who builds in series. The benefits of this approach are straightforward. Our customers enjoy the best quality, highest reliability and design at industry-defining prices.

The engineers and technicians in our Netherlands-based factory take individual care of each submersible assuring the highest level of precision and craftsmanship, to provide customized solutions for a particular mission or a bespoke design.

It is the quality of our submersibles and the dedication of the team that makes a U-Boat Worx submersible the best choice for everyone involved, from the owner and his guests, to the crew and operator.



## Service & Support

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U-Boat Worx provides a comprehensive support programme that covers full operational management, the provision of crew, or simply suggesting expedition itineraries and dive locations.

### **SUBSUPPORT**

We take great care of our clients. Owning a private submarine is a seamless process. Your dedicated personal U-Boat Worx concierge is available worldwide, 24/7.

Selecting dive sites along your planned itinerary, providing our expert pilots, or arranging the annual survey – these are just a few examples of the many services we provide.

We endeavour to ensure you always have the best possible dive experience.

### **SUBEXPEDITION**

Our SubExpedition programme is a bespoke function that networks with recognised experts and research groups around the world. This provides a wealth of information and choice when considering embarking on a research mission.

### **SUBCHARTER**

U-Boat Worx has a wide network of charter brokers whereby owners can participate in our SubCharter facility to maximise income from their submersible and/or support vessel.

### **U-Boat Worx B.V.**

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