



Cellula Ranger Research Vessel Charter

CELLULA ROBOTICS LTD.

KEY FEATURES

CONFIGURED FOR RESEARCH / ADVANCED TRACKING UNDERWATER /
EXPERIENCED CREW / TRAILABLE FOR ALL WATER BODIES



Cellula Ranger

Research Vessel Charter

Cellula's in-house survey vessel, the Cellula Ranger, enables mission support in local ocean and freshwater environments near Vancouver, BC. The vessel is configured for research, videography, and general survey support, with instrumentation calibrated through a vessel dimension control survey.

Applications

- Underwater inspection
- Search, salvage and recovery
- Surveying and mapping
- Scientific instrument deployment
- Towing sonars and other equipment
- Sea trials support
- Platform for filming & underwater videography
- Passenger ferry for up to 6 people



Specifications

NAVIGATION & COMMUNICATION

- Sonardyne Micro-Ranger 2 USBL System
- High-speed Internet connection
- Raymarine © Axiom Pro Multifunction Display
- Doppler Radar
- Raymarine © AIS650 Transceiver
- Raymarine © RV100 Transducer
- VHF Radio

ADDITIONAL TOOLS

- 135 kg Davit Pot Puller
- Samson Towing Post
- Transducer pole to attach and hold instruments to boat and securely underwater
- **Seamor Steelhead ROV:** 300 m depth, 335 m tether, SD video on front and rear camera, with Sonardyne Nano Transponder

PHYSICAL

- **LOA:** 8.1 m
- **Beam:** 2.6 m
- **Displacement:** 2800 kg
- **Maximum Speed:** 27 kts
- **Engine:** Diesel KAD42 (230 HP)

AMENITIES

- 1 head & 3 berths
- Forced air cabin heat
- Fridge, sink, microwave and hot plate
- 3 kW 120 V AC power available

ADDITIONAL INFO

- Meets Transport Canada's Small Vessel Compliance Program (SVCP)
- Open back deck for additional workspace
- Docked in North Vancouver, BC
- Safety training provided
- Boat leveler & trim tabs

CAPTAIN AND CREW

- Experienced captain licenced to SVOP
- **Optional crew with additional experience in:**
 - Mechanical, electrical, hydraulic, control, and software engineering
 - Custom sensor & equipment integration
 - ROV and AUV piloting/operation

Benefits

- ✓ **Configured for research.** The Cellula Ranger comes pre-equipped with a variety of scientific instruments and tools, including a dimensional survey mounting location. Any additional equipment can be easily installed.
- ✓ **Advanced tracking underwater.** Easily track submerged assets through the Cellula Ranger's USBL. An advanced ROV provides additional support through its real-time video feed.
- ✓ **Experienced crew.** Our crew with multidisciplinary talents, and dedicated captain boasting over 15 years of boat and AUV piloting experience will provide helpful support in carrying out your missions.
- ✓ **Trailable for all water bodies.** The Cellula Ranger's compact size allows for easy transportation and usage in BC's rivers and lakes, where larger boats are not ideal.

