The one-atmosphere DeepWorker 2000 submersible allows a pilot to go deeper and spend more time below the surface than traditional diving methods. The compact and lightweight DeepWorker 2000 is easy to operate and can be piloted with minimal training. Horizontal and vertical thrusters give unparalleled manoeuvrability; the DeepWorker 2000 can hover and ‘fly’ underwater.

Submersible Specifications

General:
- 2000 foot (600m) depth-rated
- 1 Pilot
- A516 grade 70 steel with 316 stainless hatch rings
- Weight in air 4000 lbs
- Length: 8.25 ft. (2.4 m)
- Beam: 5.5 ft. (1.7 m)
- Height: 5.7 ft. (1.75 m)
- Payload: 250 lbs (114 kg)
- Max Speed: 3 knots

Life Support:
- Redundant oxygen systems, total capacity 80 man-hours
- Carbon dioxide removed via scrubbers
- Emergency breathing gas via air BIBS

Propulsion:
- Two main horizontal thrusters, plus two angled vertical/lateral thrusters
- 160 cu.ft ballast air provided for surface buoyancy/trim

Viewing:
- 26” dia. acrylic dome; serves as entry hatch

Communication:
- Surface: ICOM VHF
- Sub-surface: UQC and 27 KHZ Acoustic

Power:
- 22KW 240V DC Li-Ion on-board battery supply

Umbilical:
- Vehicle may be operated tethered or untethered
Emergency Equipment:
- Drop weight jettison capability
- Hull jettison capability
- Emergency battery (for comms and CO2 scrubber)

Optional Equipment:
- HD Camera, H.264 (Blu-Ray Codec) camera
- SONAR, modified Imagenex, standard scan and ultra-high resolution short range scan
- HydroNewt Manipulators, standard reach 5 feet
- Tracking Beacon
- Strobe/RF/Iridium beacon
- Electro magnet
- Magnetometer
- Burial/ excavation pumps
- Sampling equipment
- Precision laser measuring system
- Pipe tracker
- Lift bag salvage module
- U/W cutting module
- Acoustic thickness/CP/EMF Probe
- Other optional equipment available