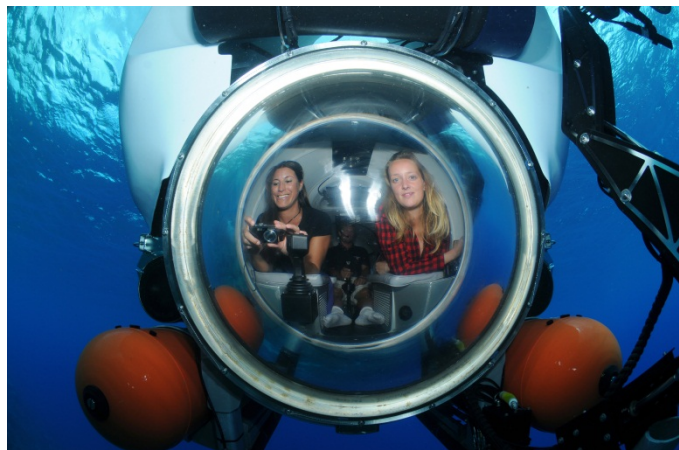




CURASUB



The five-person, 1000' (300m) depth-rated **Curasub** offers state-of-the-art viewing and functional ability together in one platform. Three large viewing domes, one 40" dome forward and two 18" aft, make **Curasub** ideal for tourist applications, scientific research, commercial surveys and filming. A six-function hydraulic manipulator, scientific sampling arrays, Doppler Velocity Logger and HD camera/video system with adaptable lighting array are among the many options available.

Submersible Specifications

General:

- Operating depth: 1000 feet (300m)
- 1 pilot, 4 observers
- Dive duration: 6-8 hours
- Weight in air 6 tons
- Length: 13.6 ft. (4.1 m)
- Beam: 6.0 ft. (1.8 m)
- Height: 6.6 ft. (2.0 m)
- Payload: 1300 lbs (600 kg)
- Max Speed: 3-4 knots

Life Support:

- Redundant O2 systems, total capacity 480 man-hours (5 occupants x 96 hrs ea)
- Carbon dioxide removed via scrubbers
- Emergency breathing gas via air BIBS

Propulsion:

- 6 Thrusters total: Two horizontal, two vertical ducted and two translational ducted
- All thrusters 3 HP magnetically coupled
- Buoyancy provided by 2 soft tanks, providing 1200 lbs buoyant lift.

Viewing:

- One 40 inch (100 cm) acrylic viewport forward
- Two 18 inch (46cm) viewing domes aft
- Four surface navigation ports

Communication:

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

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CURASUB



Power Source:

- 12KW @240 VDC Main, 500Watts 12/24 VDC by converter

Accessories:

- 3 x Navigation cameras
- Ritchey Fluxgate compass
- 27 kHz Nuytcom DSP acoustic telephone

Emergency Equipment:

- Drop weight jettison capability
- Emergency battery (for comms and CO2 scrubber)

Optional Equipment:

- HD Camera: H.264 (Blu-Ray Codec) camera
- Nuytco Newtcam ® HDV video system
- 80-100GB Nuvia Hard Disk video recording unit
- SONAR: Imagenex 881A scanning sonar
- 4 Nuytco Newtsun ® 600W LED light heads (4 heads = 2.4 KW total)
- 6-Function hydraulic manipulator
- Multiple laser scaling lights
- Suction sampling pump with carousel
- DVL (Doppler Velocity Logger) recording depth, altitude, distance over ground, salinity, temperature and bearing

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