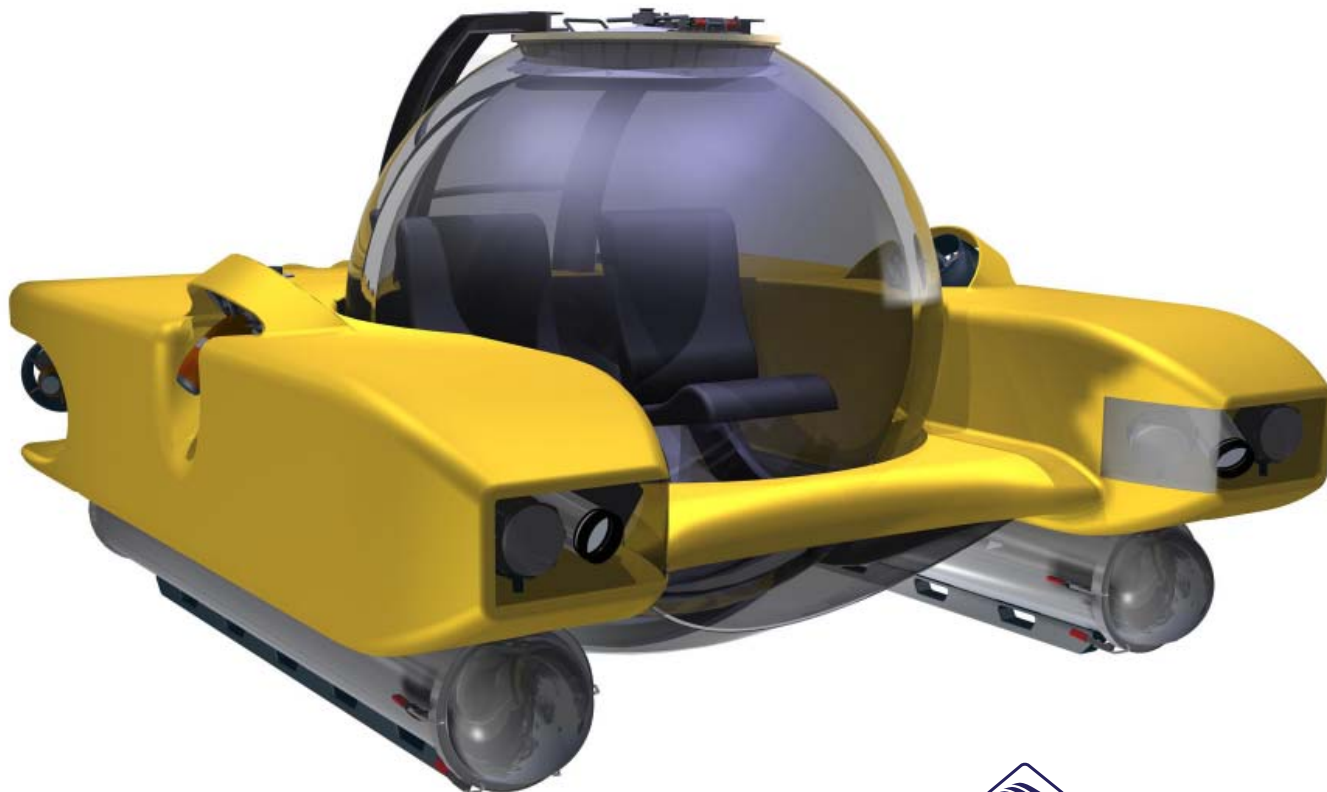

The Triton 1000 is the world's first luxury deep submersible designed specifically for yacht-based operations



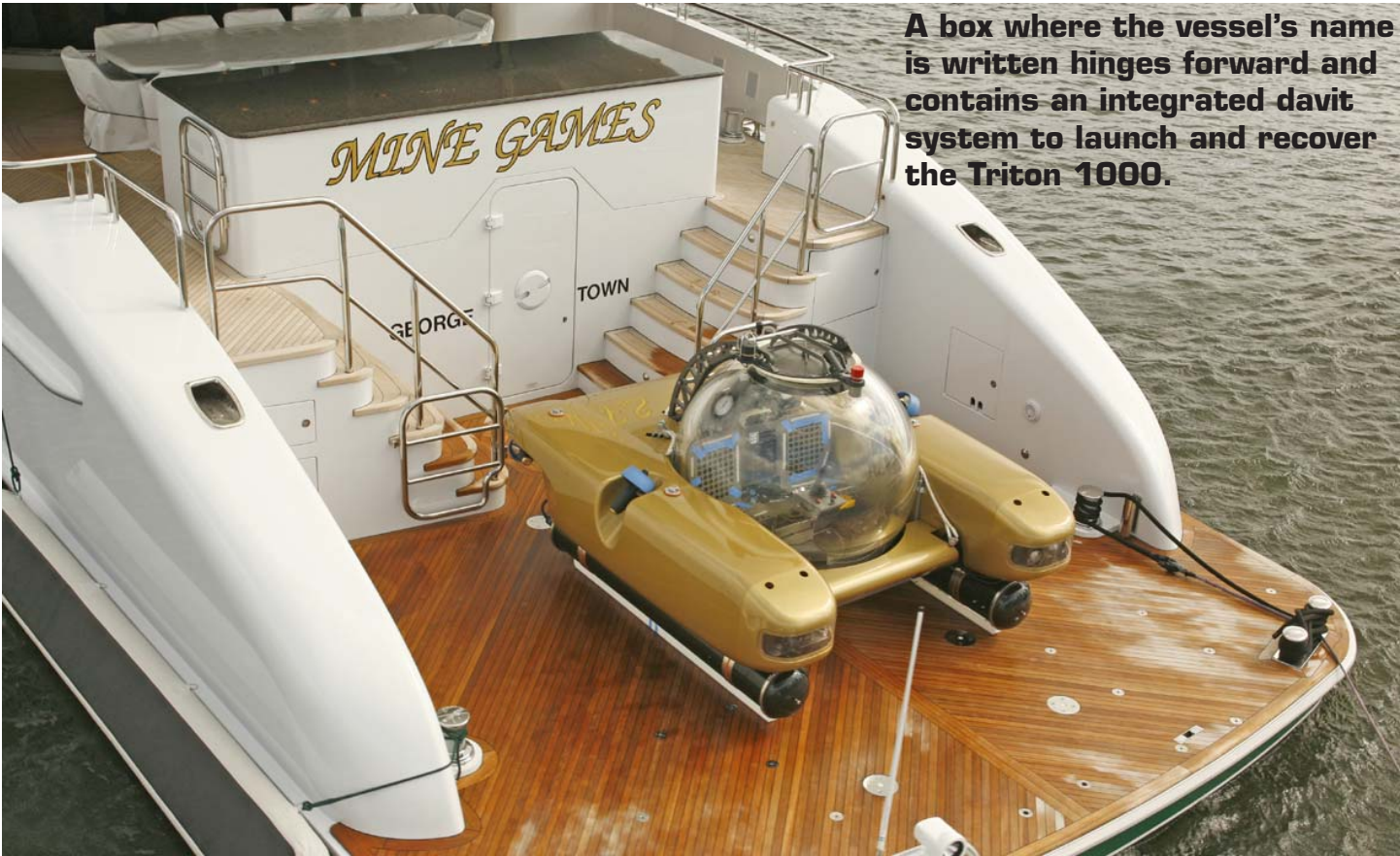
U.S. SUBMARINES

The Triton is a new, state-of-the-art, luxury deep submersible available in 2- or 3-passenger configurations for rated depths of either 1000 or 3000 feet. Unlike other submersibles advertised for use aboard large yachts, the Triton was designed specifically to be yacht-based, by a group that has a tremendous amount of operational experience with deep submersibles of all types. Critical to the safety of yacht-based operations, the Triton's catamaran configuration provides extraordinary surface stability coupled with excellent freeboard between water-line and hatch to allow for comfortable and safe exit and entry while surfaced. Minimum weight, ease of maintenance and intuitive operation with touch screen monitors and digital proportional joystick control make Triton the submarine of choice for the discerning yacht owner.

The Triton is classed +A1 Manned Submersible by the American Bureau of Shipping. ABS classed submersibles have an impeccable safety record and currently carry over 1.5 million people annually.

The Triton has been designed, engineered and built by U.S. Submarines, Inc., a company with 14 years of experience in the civil submarine industry. The first Triton was delivered to the new 164 foot yacht *Mine Games* in December 2007. *Mine Games* is the only yacht in the world charter fleet to have a true deep submersible aboard capable of diving to 1000 feet.

Triton pricing begins at \$1.69 million and U.S. Submarines is currently taking orders for late 2008 deliveries.



A box where the vessel's name is written hinges forward and contains an integrated davit system to launch and recover the Triton 1000.





Triton 1000/2: Specifications

DIMENSIONS

LENGTH 3.2 m 10.5 ft
WIDTH 2.65 m 8.7 ft
HEIGHT 1.85 m 6.1 ft
WEIGHT 3,000 kg 6,600 lbs
PRESSURE HULL ID 1440 mm 56.7 in
PRESSURE HULL OD 1600 mm 63.4 in
ENTRANCE HATCH ID 500 mm 19.7 in

GENERAL

BUILDER U.S. Submarines, Inc.
DESIGNER U.S. Submarines, Inc.
CERTIFICATION ABS+AI Manned Submersible
CERTIFICATION 2 Cayman Island MSA
PAYLOAD 205 kg 450 lb
DEPTH 305 m 1,000 ft
SPEED 2.0 knots
CREW Pilot plus one passenger
VARIABLE BALLAST 40 kg 88 lb
MAIN BALLAST 1,400 kg 3,080 lb

ELECTRICAL

24 VOLT BATTERY CAPACITY 5 kWh
120 VOLT BATTERY CAPACITY 12.6 kWh
MAIN THRUSTERS Two (2) x 2 kW (2.68 hp)
VERTICAL THRUSTERS Two (2) x 1 kW (1.34 hp)
OPERATIONAL ENDURANCE .. 6 hours (depending on profile)
CONTROL PLC based control & monitoring system with touch screen interface

LIFE SUPPORT

TYPE oxygen system with CO₂ scrubber
MAIN AIR Two (2) x 17 liter @ 200 bar (3,000 psi)
RESERVE AIR One (1) x 17 liter @ 200 bar (3,000 psi)
MAIN OXYGEN One (1) x 17 liter @ 200 bar (3,000 psi)
RESERVE OXYGEN One (1) 17 liter @ 200 bar (3000 psi)
MONITORS O₂, CO₂, temp, humidity, barometric pressure, depth, gas pressures

EMERGENCY EQUIPMENT

First aid & sub tool kit
Manual drop weight release
Manual location buoy release
Atmospheric sample pump with tubes
Emergency 24 volt battery located inside sphere
Self contained breathing apparatus – Two (2) (CSE SR-100)
Emergency life support (rations/water) – 96 hours

EMERGENCY EQUIPMENT (CON'T)

Emergency Lithium hydroxide – 15 (Micropore cut sheets)
Hand held Amerex Halotron fire extinguisher

AIR CONDITIONING

POWER CONSUMPTION 445 Watts total
WATER EXTRACTION 0.5 liter/hour
Two Supercool (Peltier effect) - 210 Watts (each)
One glycol cooling loop circulation pump - 25 Watts

COMMUNICATION

SUBMERGED Dual frequency UWT system
SURFACED VHF radio (interfaced to GPS)
ETHERNET Wireless to surface vessel
ACOUSTIC MODEM USBL (9 kbps max) - Optional

NAVIGATION

Clock
Barometer
Hygrometer
Thermometer
Depth gauge
Depth sounder
GPS
Fluxgate compass & magnetic compass
Mechanical clinometers
Motion sensor (pitch and roll)
RF beacon with pressure sensor
Xenon strobe with pressure and light sensor

OPTIONAL EQUIPMENT

High-resolution color imaging sonar
Multi-beam sonar
5-axis manipulator
Gripper arm
High-definition cameras (digital still or video)
Pan and tilt for above
Ultra-short baseline tracking system
Acoustic modem
Doppler sonar velocity log
HID lights (quartz halogen standard)
Magnetometer
Specimen basket
Fish feeder system
Laser-guided speargun

Note: Triton is available in 3-passenger and 3000-foot versions

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