

Any yacht can sail the ocean...

but only one can explore its depths
Introducing the revolutionary
Nomad 1000

The world's first contemporary luxury submarine

- Dives to 1000 feet
- Full luxury accommodation
- Panoramic viewports
- 1000 mile surface range
- Twin diesel power/ 12 knots
- ABS +A1 Manned Submersible

Nomad 1000

Length 65' LOA
 Weight 72 tons
 Pressure Hull 1" 537 steel
 Power Surfaced 500 HP
 Power Submerged 110 HP
 Life Support 10 days

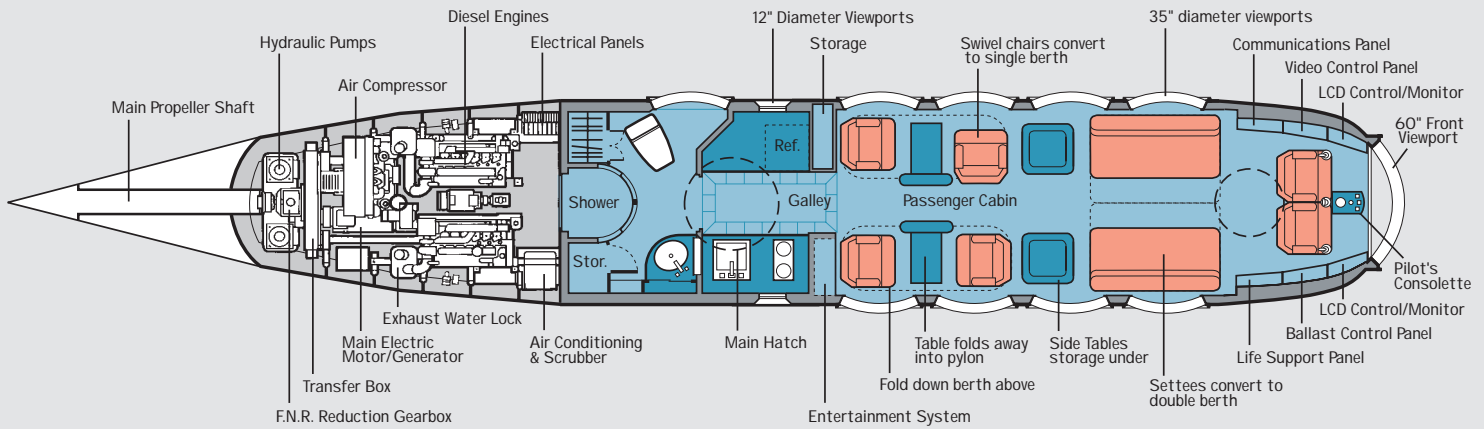
The *Nomad 1000* is the world's first personal luxury submarine, capable of taking you and your guests to unseen regions of the deep ocean in perfect comfort and absolute safety. And once there, you'll be able to view the fascinating denizens of the deep through large, panoramic viewports, while relaxing in an interior replete with luxury and warmth.

Powered by twin 250 HP turbocharged marine diesels, the 65 foot long *Nomad* has a 1000 nautical mile surface range and is capable of diving to 1000 feet. Bad weather? Simply close the hatch and dive, cruising effortlessly far below the waves in climate controlled comfort. *Nomad's* battery capacity and life support systems allow you to stay submerged for days at a time.

Classified +A1 Manned Submersible by the American Bureau of Shipping, the *Nomad 1000* is engineered and manufactured by U.S. Submarines, Inc., with exterior styling provided by noted naval architect Howard Apollonio and interior by the renowned Glade Johnson Design.

In addition to the luxury version, the *Nomad 1000* is also available as a 24-passenger tourist submarine.





Nomad 1000: Technical Specifications

General Specifications

Certification	: ABS +A1
Operating Depth	: 1000 feet
Passengers	: 11
Crew	: 1
Length	: 64.5 feet
Beam	: 12.0 feet
Pressure Hull Diameter	: 8.0 feet
Height Overall	: 19.0 feet
Draft	: 9.0 feet
Weight in Air	: 72.5 tons
Side Viewports (12)	: 35.0 inches
Bow Viewport Diameter	: 60.0 inches
Entrance Hatch Diameter	: 42.0 inches

Dynamic Characteristics

Max. Surface Speed	: 12 knots
Cruising Surface Speed	: 10 knots
Max. Submerged Speed	: 6 knots

Surface Propulsion

Surface Diesels	: 2 x 250 HP
Diesel Engine Type	: Cummins 250B
Shaft	: Single 3.0" dia.
Propeller	: 5 blade, 38" dia.

Sub-Surface Propulsion

Main Electric Motor	: 110 HP
Low Speed Electric Motor	: 15 HP
Vertical Thrusters (2)	: 10 HP hydraulic
Lateral Thrusters (2)	: 10 HP hydraulic
Hydraulic Aggregate	: 2 x 25 HP

Endurance

Surface Range	: 1000 nautical miles
Submerged Endurance	: 3.3 hrs at 5 knots
	: 13 hrs at 3 knots
	: 25 hrs at 2 knots
	: 50 hrs at 1 knot

Battery & Electrical System

Main Battery	: 240 VDC-1200 A/H
Main Battery	: 24 VDC-800 A/H
Communication Battery	: 24 VDC-400 A/H
Emergency Battery	: 24 VDC-240 A/H
Total Battery Capacity	: 322 KWH
Electric Generator	: 85 KW DC
Battery Charging Time	: 12 hours
DC-AC Inverter	: 5 KW solid state

Gas Supply

Main Oxygen	: 5 x 300 SCF @ 2400 psig
Reserve Oxygen	: 6 x 300 SCF @ 2400 psig
Main Air	: 5 x 450 SCF @ 4500 psig
Reserve Air	: 10 x 450 SCF @ 4500 psig
Air Compressor	: 30 ft ³ min ⁻¹ @ 5000 psi

Ballast & Trim Systems

Main Ballast Capacity	: 40,000 lbs buoyancy
Variable Ballast	: 4400 lbs
Trim/Drop Weight	: 9000 lbs

Life Support

Mission Life Support	: 125 hrs for 12 passengers
	: 250 hrs for 6 passengers
Emergency Life Support	: 150 hrs for 12 passengers
CO ₂ Absorbent	: M.P. Sofnoline/LiOH
Air Conditioning	: 42,000 BTU

Navigation & Communications

Compass Main	: C. Plath gyrocompass
Compass Reserve	: Digicourse magnetic
Autopilot	: C. Plath
Speed Log	: Digital
Depth Gauge (2)	: 1200 ft. analog & digital
Active Sonar	: Imagenex color imaging
GPS Receiver	: Trimble NavTrac
Radar/Plotter	: Raytheon R20XX
Surface Communication	: Icom VHF (2) & SSB
Subsurface UWT	: Magnacom 10 & 27 KHz
Satellite Terminal (optional)	: NEC MLink-5000
Cellular Telephone	: Motorola

Management Experience

The management team at U.S. Submarines has been involved in the design, manufacture or operation of over 60 contemporary submarines and submersibles. The *Nomad 1000* design represents the culmination of that experience, and a completed submarine can be delivered in 18 months.

A Brief History

Since 1985 over 50 tourist submersibles have entered service worldwide. The majority of these vehicles are approximately 65 feet in length. The industry enjoys a perfect safety record, having carried over 3.5 million people on submerged tours of coral reefs without incident.

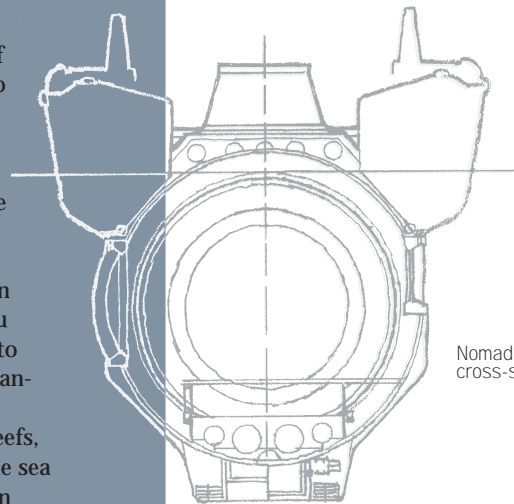
Over 160 deep diving research and commercial submersibles have been built in the last 30 years, in addition to scores of military submarines. In the '20s and '30s several luxury submarines were commissioned as well.

Why Own a NOMAD?

For the first time, you can purchase a true submarine, capable of running on the surface at speeds up to 12 knots with its diesel engines, diving for extended periods under battery power, surfacing, and then recharging batteries and high-pressure air tanks while underway.

Ownership of a *Nomad* provides you with the opportunity to explore an entirely new world. Quite literally, you and your guests will be able to travel to places completely unexplored by humankind. You'll experience not only the teeming brightness of tropical coral reefs, but also the deep, silent recesses of the sea at 1000 feet. And the *Nomad* has been designed to be simple to operate, with an integrated touch screen control and monitoring system, digital proportional joystick controls and state-of-the-art navigation equipment.

Nomad possesses all the amenities of a luxury yacht as well: an elegant and comfortable interior, a fully equipped galley, sleeping accommodation for six, and an enclosed marine toilet and shower.



Nomad pressure hull cross-section



U.S. SUBMARINES, INC.