

We Make Things Happen



GSM Proudly Manufactures:

*Thin Line Towed Array
Handling System (DAWG)
OE-538 Mast Antenna
AN/BRA-24 Buoyant
Wire Antenna System
AN/BRA-6
Emergency Antenna
Advanced Integrated Low
Pressure Electrolyzer
Frame Assembly
Reelable Towed Array
Handling System
(RTAHS)*



Virginia-class attack submarine

GSM Overview

Granite State Manufacturing (GSM) is a leading contract manufacturer of specialized equipment for Defense, Medical, Security, and Industrial markets. For more than 75 years, GSM has been providing integrated manufacturing services to some of the world's top companies. From prototype to production runs, GSM has the technical depth, program management and manufacturing expertise to quickly respond to engineering and production demand changes while also providing cost saving options and value engineering to all our customers.



Virginia Class Attack Submarine

The Virginia class attack submarine is an advanced stealth, multi-mission nuclear-powered submarine designed for a broad array of open ocean warfare and littoral operations. Now in Block IV production, this submarine is the largest US DoD production platform that is consistently delivered ahead of schedule and under budget by its prime builder, General Dynamics Electric Boat and production partner, Huntington Ingalls, Newport News Shipbuilding.

GSM Proudly Manufactures:

For the Virginia class attack submarine, Granite State Manufacturing builds six major systems:

- Thin Line Towed Array Handling System - This system stores, deploys and retrieves the mile long cable that supports the Thin Line Towed Array system of ultra-sensitive hydrophones.
- OE538 Mast Antenna - An extremely ruggedized, hydrodynamically optimized, retractable faired mast assembly that provides a wide array of operating bands. GSM and its partner have provided more than 160 systems.
- AN/BRA-24 Buoyant Wire Antenna Transfer Assembly - This system, consisting of hydraulic controls, cable storage reel and antenna drive components, stores, deploys and retrieves the buoyant wire antenna system.
- AN/BRA-6 Emergency Antenna- This telescoping, manually deployed antenna system provides for back-up communications in emergency situations.
- Advanced Integrated Low Pressure Electrolyzer Frame Assembly - The AILPE produces low-pressure oxygen for the submarines. GSM manufactures the frame assembly for this system.
- Reelable Towed Array Handling System (RTAHS) - This system manages the the hydrophone array cable deployed from the sail to detect and localize other submarines.

