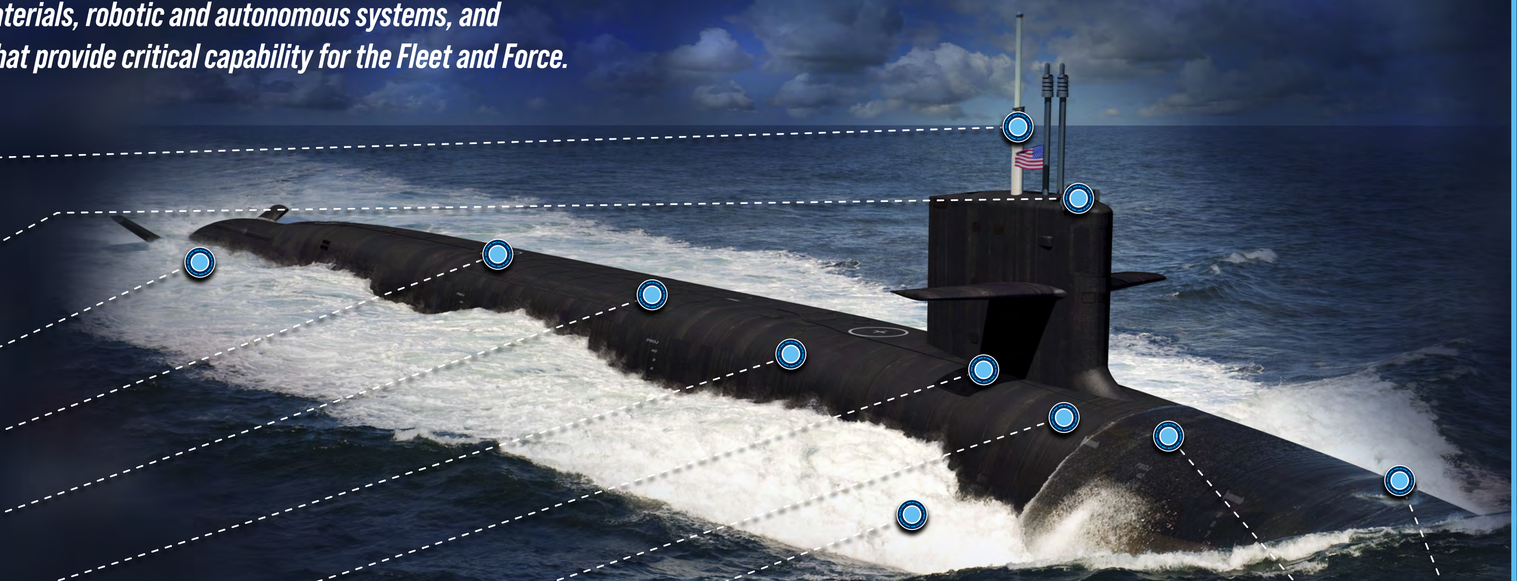
ONR ABOARD BALLISTIC MISSILE AND ATTACK SUBMARINES

For 80 years, the Office of Naval Research (ONR) has been a leader in advancing American naval warfighter readiness and dominance – leading the development of innovative science and technology for the Navy and Marine Corps. Some of the most important naval platforms and capabilities began as ONR-sponsored research.

ONR's contributions are essential to the advancement and delivery of combat systems, sensors, weapons, materials, robotic and autonomous systems, and numerous other technologies that provide critical capability for the Fleet and Force.



SENSORS

COMMAND AND CONTROL

PROPULSION

CONSTRUCTION

MISSILES

STEALTH

CONTROL SYSTEM

HULL

TORPEDOES

SONAR

NAVIGATION

Today's nuclear subsurface fleet is the result of 80 years of leadership by ONR in many of the critical technologies found on these vessels. ONR has also provided much of the fundamental knowledge that allows these vessels to operate in the deep sea for months at a time. The result is the world's quietest, most lethal and most survivable submarines in the world—the cornerstones of maritime supremacy and our strategic deterrence. Some of the ONR-led innovations include:

- Specialized sensors and systems for enhanced navigation and stealth
- Cutting-edge propulsion systems offering greater speed and reliability
- Creative construction techniques that reduce production time and life-cycle costs
- Improved coatings and design features for stronger hulls
- Extensive upgrades to both tactical and strategic weapon systems.

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