

Accelerated Development & Support (ADS) Corporation is a small business headquartered in Arlington, Virginia with a disbursed workforce throughout the United States. ADS is comprised of highly motivated certified professionals, scientists, engineers and Subject Matter Experts (SMEs). ADS has a long history of research and development support in **Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR)** technologies and concepts to meet the Navy's communication challenges of its dispersed operations.

ADS is a proven leader in the analysis, implementation and testing of all aspects of C4ISR systems and technology. We play an important role in enabling the U.S. Navy to develop new and advanced C4ISR concepts and technology. As a prime contractor for the Office of Naval Research (ONR), Code 31-C4ISR Directorate we support research in math, electronics, computers & information sciences and their application in command & control, cyber, EW, intelligence, surveillance and reconnaissance. ADS plays a significant role in C4ISR technology development relative to urgent Navy warfighter requirements and managing/directing of ONR Science & Technology (S&T) resources. Some of the ONR Code 31 Projects we manage include:



- Technical expertise in Navy navigation, global positioning systems (GPS), inertial and timing systems that interface with naval C4ISR capabilities.
- Expertise in radio frequency (RF) systems, signal processing and antenna development.
- Support to the Integrated Topside Electromagnetic Maneuver Command & Control (EMC2) Innovation Naval Prototype Program.
- Subject matter expertise in the advancement of Quantum Entanglement (QE) phenomenology, hardware and optical technologies as it relates to Navy electro-magnetic sensing, jamming, communication and electronic warfare applications.
- Conceptual design for reduced free-space propagation loss over conventional radar approaches & detection against highly absorptive targets.
- Conceptual design for Deep-space Super-Luminal Laser Communication that provides relay communications between earth-based and deep-space based platforms.
- Research & Development in electromagnetic propagation of small vessels dealing with limitation of radar systems to perform target visibility using differential laser absorption spectroscopy.
- Developed a research plan for a Cyber Protected Total Computing Platform to include an entire computing platform, hardware, firmware, bus and hypervisor layers.