

ONR AND ROBOTIC AND AUTONOMOUS SYSTEMS

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.

MATERIALS |

**SEA HUNTER
AND SEAHAWK** |

SEAGLIDERS |

**HYDROGEN FUEL
CELL PROPULSION** |

POWER |

ONR has led the development of a new generation of robotic autonomous vehicle technologies that is revolutionizing naval warfare, including the recent establishment of operational unmanned surface vessel squadrons (USVRONs), along with other systems, including:

Long-range autonomous surface vessels capable of a range of missions that have already deployed with the fleet

Advanced materials, sensors and control systems that make vehicles smaller, lighter, more aware, and more mission capable

Advanced power and energy systems that keep vehicles on station for extended periods in a variety of harsh environments

Advances in command and control that have greatly improved human-machine teaming.

SWARMING CRAFT

**MK 18 MOD 2
KINGFISH**

