



AYDLL

Autonomous Maritime Infrastructure

CAPABILITY STATEMENT



AYDLL develops persistent, modular offshore infrastructure that extends maritime awareness, autonomous operations, and mission endurance across the littoral environment. Our self-elevating platforms provide a scalable operating base for unmanned systems, sensors, communications, and logistics, reducing reliance on continuous ship and aircraft presence while increasing operational reach.

CORE CAPABILITIES

- Persistent offshore infrastructure for long-duration autonomous operations
- Modular mission bays supporting ISR, communications, logistics, and emerging payloads
- Integrated launch, recovery, charging, maintenance, and sustainment for UAVs, USVs, and UUVs
- Multi-domain sensing with edge computing, AI-enabled data fusion, and secure communications
- Distributed maritime networks delivering resilient coverage and shared awareness at scale
- Commercially deployable architecture using proven marine construction and logistics methods

DIFFERENTIATORS

- Purpose-built infrastructure, not a single autonomous vehicle
- Persistent operations measured in months, not hours
- Modular architecture supporting rapid mission reconfiguration
- Commercial marine foundation reduces deployment cost and schedule
- Simultaneous air, surface, subsurface, and communications missions from a common platform
- Scales from a single deployment to distributed regional networks

WHY AYDLL

Autonomous systems have advanced rapidly, but they still depend on ships, shore facilities, or temporary expeditionary support. AYDLL closes that gap with persistent infrastructure that lets autonomous systems launch, recover, recharge, communicate, and sustain operations from a fixed offshore base, extending the reach of existing platforms rather than replacing them.

LEADERSHIP & EXECUTION

AYDLL is led by Brig. Gen. Craig McPike (USAF, Ret.), former Deputy Director of Operations, U.S. Southern Command (SOUTHCOM), alongside a leadership team with more than 100 years of combined defense, offshore, engineering, and commercial execution experience. Chip Fichtner contributes more than 40 years building and scaling complex businesses. In-house engineering and software teams combine startup agility with defense discipline and complex systems engineering.



PRIMARY MISSION AREAS

Maritime Domain Awareness (MDA)
Border and Coastal Security
Counter-Illicit Trafficking
Critical Infrastructure Protection
Distributed ISR
Communications Relay
Logistics and Forward Staging
Disaster Response
Environmental Monitoring
Autonomous Systems Support

TARGET CUSTOMERS

Department of Defense
U.S. Coast Guard
Department of Homeland Security
Customs and Border Protection
State and Local Maritime Agencies
Allied Defense Partners
Commercial Offshore Operators
Critical Infrastructure Owners

CONTRACT DATA

UEI JC89VWA2MA45
CAGE 22TR6

Brig. Gen. Craig McPike, USAF (Ret.)

Point of Contact

craig@haiaero.com

AYDLL · AUTONOMOUS MARITIME INFRASTRUCTURE