



Enabling Resilient Mobility in the Indo-Pacific

Autonomous, Runway-Independent Logistics for Distributed Operations



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What is a Flying Ship?

A wing-in-ground (WIG) effect vessel is a unique type of vessel that operates in close proximity to the surface of water or land, utilizing the aerodynamic principle of ground effect to achieve efficient travel.

- Travel just above water at 100+ knots
- Autonomous and uncrewed
- Not bound by airspace regulation or deep ports
- Launch from water, beaches, ships, trailers—truly runway-independent

10X faster than ships

1/4 the operating cost of an aircraft

Scaling to cover **90%** of all sea states

Air Cushion →

Maritime Vessel, Not Airplane

The Problem: Slow, Port-Dependent, Vulnerable Logistics

Indo-Pacific Logistics Challenges

- 36,000+ islands, vast littorals, and contested sea lanes
- Conventional logistics platforms are slow or require airfields/ports
- Adversaries target logistics hubs and chokepoints
- Forward forces need **stealthy, scalable, attritable resupply**

Type	Drawbacks
Fixed-Wing 	• Expensive • Restricted to airports • Limited route flexibility
Piloted WIGs 	• Operational safety challenges • Higher operating costs • Limited to ports
VTOL 	• Restricted payload • Complex certification process with limited number of operators • Failure event leads to loss of drone and cargo
Ships 	• Slow and easy target • Port congestion • Limited transfer capabilities

Flying Ships De-Risk Littoral Operations

- Beachable, attritable, versatile, and almost invisible, and keep soldiers outside of the weapons engagement zone
- Land with system failures vs UAS failures would cause loss of soldier and drone



Aligned with Army Indo-Pacific Strategy

- Supports Distributed Maritime Operations (DMO) & Multi-Domain Operations (MDO)
- Enhances Expeditionary Advanced Base Operations (EABO)
- Enables logistics beyond the tyranny of distance
- Responds to key USARPAC capability gaps: mobility, contested logistics, and infrastructure independence

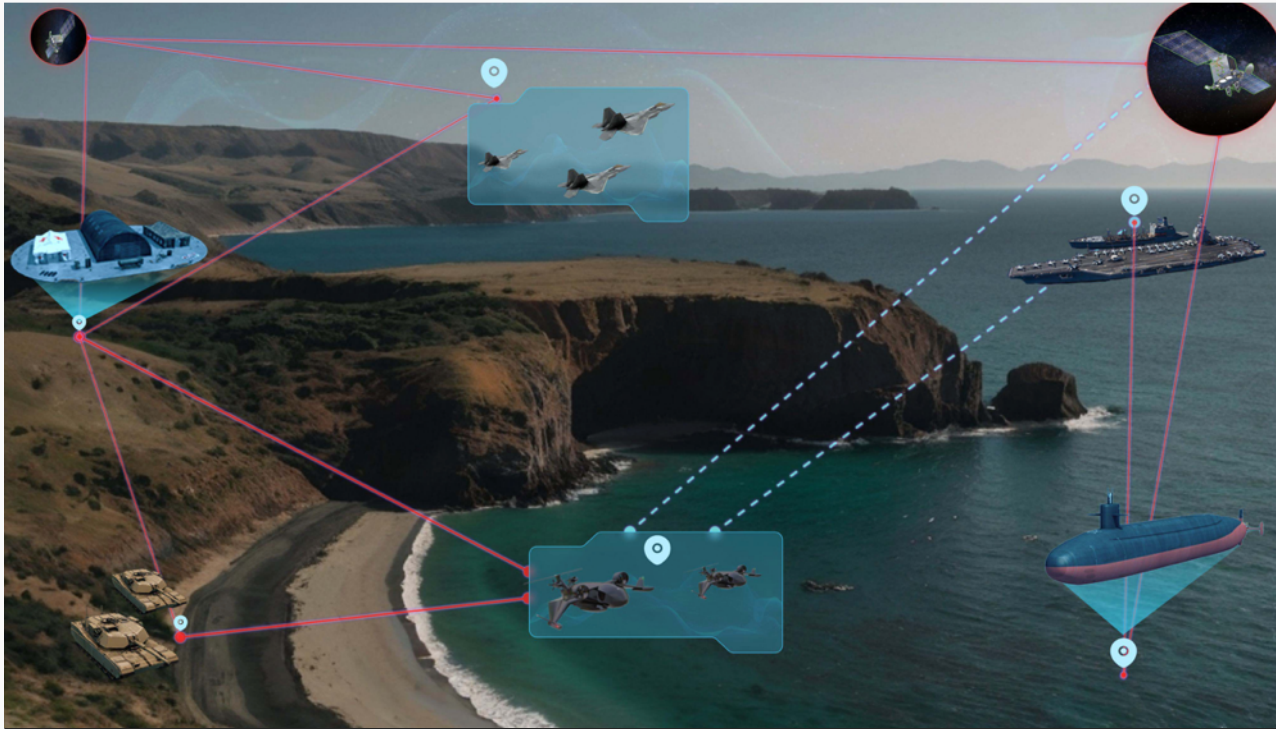


Patented, Proven and Ready for Rapid Fielding



- TRL 7 – Over 100 test flights
- CRADA with NAVSEA + SBIR
- Teaming with commercial partners
- DOD Exercises:
 - Navy
 - Army
 - National Guard

Army Mission Use Cases



- Contested Logistics
- ISR & C2
- Medical Evacuation
- Disaster Response



FLYING SHIP

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