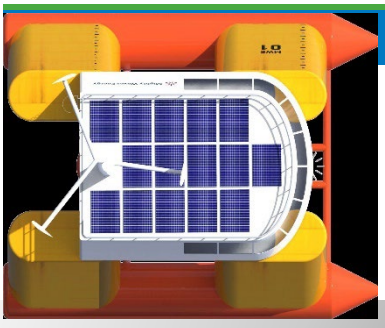
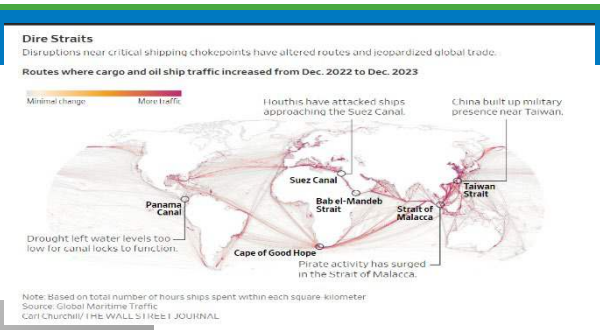
Mighty Waves Energy

ACADIA Platform: Delivering Resilience, Protection, and Economic Benefits to Coastal Communities





ACADIA is an unmanned maritime logistics and sustainability platform powered by clean energy. ACADIA utilizes a 100 KW wind turbine to generate power, charging batteries and powering on-board sensors, communications, autonomous vehicle nodes, and coastal environmental monitoring. The platform is a resource for remote island locations and delivers critical services during all operational conditions.

What benefits will ACADIA bring?

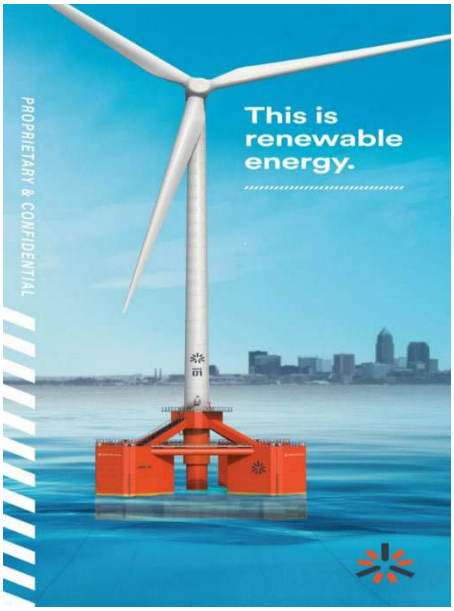
- Measuring and Monitoring Activities in all domains:
  - Surface and Undersea
  - Air
- Providing Resilient Communications Infrastructure
  - Networked Platforms
  - 5G Communications
  - Satellite Connectivity
- Hosting and Powering Autonomous Vehicles
- Delivering Edge Computing and AI-driven data Processing
- Transporting Standard 20 ft. Shipping Containers within the Region
- Demonstrating Technology for an Affordable, Clean, and Resilient Energy Transition

ACADIA offers resilience to island and shore infrastructure. Each Platform can be configured differently, and multiple complementary Platforms deliver tremendous benefits.

What does the Platform look like?

ACADIA is a Small Waterplane Area Twin Hull (SWATH) Platform design. The Platform is shown in the pictures at the top of the page. Each platform is approximately 65 ft. long and 40 ft. wide. The wind tower extends 80 ft. above the surface of the water. An ACADIA Platform has over 40,000 lbs. of payload capacity. Payloads can be defined as sensors, autonomous vehicles, computing and data storage, and/or critical supplies. The Platform can house two 20 ft. standard shipping containers on the upper deck. The lower pontoons also have weight and volume usable for additional payload capacity. Sensors are mounted throughout the Platform for remote sensing and environmental monitoring. Many payloads are built for containers, and the 20 ft. container locations enable drop-in hosting. The lower pontoons can house supplies, such as fuel, to support transport and/or disaster recovery. The Platform is designed to be anchored offshore with the option to include propulsion motors for transport.

. ACADIA is designed to survive severe storms. The wind turbine, especially the blades, may be vulnerable but are designed for replacement with minimal effort. Shown below is the next generation energy platform that will deliver grid-scale energy to remote locations. The ACADIA technology will be used on the future Platform.



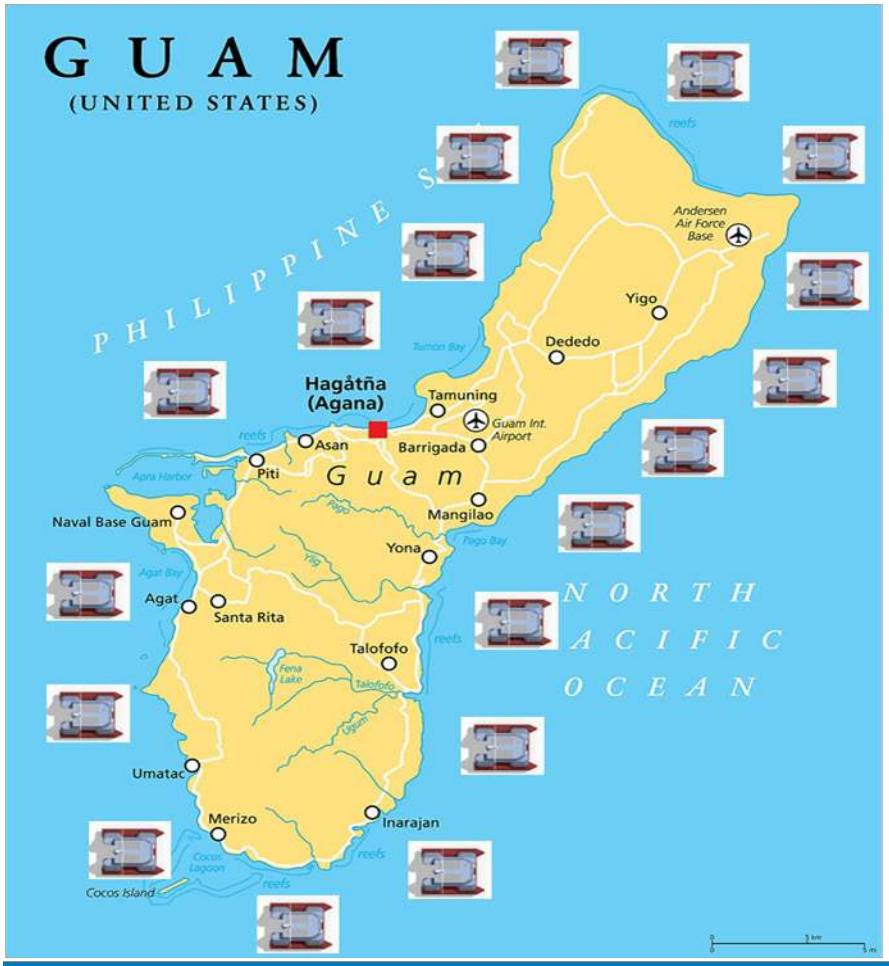
Mighty Waves' Megawatt Class Platform

ACADIA Deployment

- Fabrication at selected Tier 3 Shipyards
- 6-12 units are easily arranged on a single heavy lift vessel for rapid transport to site.
- Install Wind Turbine and final assembly and check-out at island port
- Autonomous or towed deployment to operating location
- Establish Telecommunications and Data Networks

Benefits to the Region

- Operational Presence creating Resilience and Security
- Skilled Jobs
- Data Expertise with AI
- Cyber Analytics and Protection
- Economic Growth for Island Regions
- Alignment with Indo-Pacific Strategy
- Enhances Rapid Response Capabilities to Critical Locations
- Forward Deployed Infrastructure
- Measuring the Marine Ecosystem and Climate Change Impacts
- Integration with Guam Community Initiatives
- Expansion across Micronesia and Polynesia based on Success in Guam
- Near-term deployment
- Pathfinder for Clean Energy and Energy Security



About Mighty Waves Energy

Mighty Waves Energy was founded in early 2022 to realize the combined potential of sustainability, national security, and clean energy. Mighty Waves personnel have extensive experience delivering complex and challenging projects. The ACADIA platform was created and optimized to achieve an affordable and near term solution to immediate needs. Based on experience, ACADIA is a critical first step to realizing the full potential of sustainable critical infrastructure and protecting maritime locations throughout the world.

The Regions of Micronesia and Polynesia are of strategic importance and represent vast maritime distances. ACADIA Platforms can be deployed at strategic locations of interest, creating a boundary marker and monitoring all activity in the region. ACADIA will complement other remote sensing assets and generate synergies with other investments in critical infrastructure and defense.

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