CIMES: Revolutionizing Maritime Power Fuel-Free • Silent • Zero-Emission Propulsion & Auxiliary Power

For Navy Submarines, Aircraft Carriers, Container Ships & Luxury Yachts

Executive Summary

CIMES delivers unlimited, fuel-free mechanical power through patented conical magnetic repulsion. At sea, this means **zero fuel consumption**, **near-silent operation**, **zero emissions**, and unmatched reliability.

Modular CIMES clusters scale from 500 kW (luxury yachts) to 100+ MW (carriers and container ships). One or two modules can be serviced while the rest keep the vessel moving at full power — true concurrent maintainability at sea.

Proven in seven multi-physics simulations. Ready for naval, commercial, and private maritime applications.

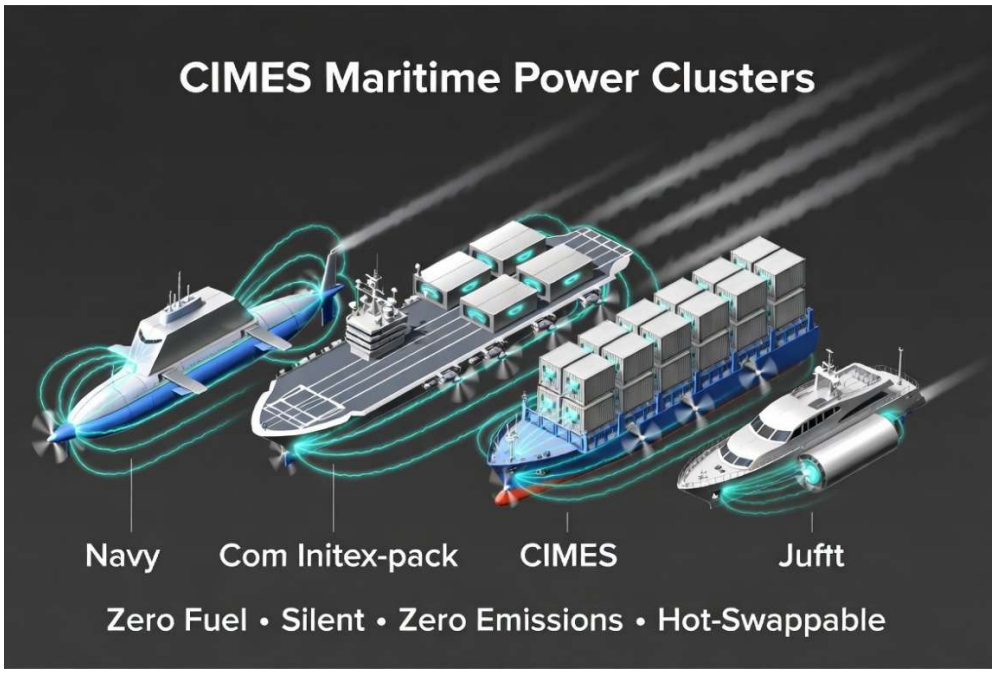
1. The Maritime Power Challenge

Modern ships burn millions of gallons of diesel annually, create massive emissions, require constant refueling, and produce noise that compromises stealth (submarines) or passenger comfort (yachts). Port regulations and IMO emissions rules are tightening. CIMES eliminates fuel logistics, exhaust, and noise while providing continuous power in any sea state.

2. CIMES Maritime System Architecture

CIMES modules are containerized or hull-integrated, using the same 28° cone geometry scaled by the proven r^3 law. Clusters provide N+1 or N+2 redundancy.

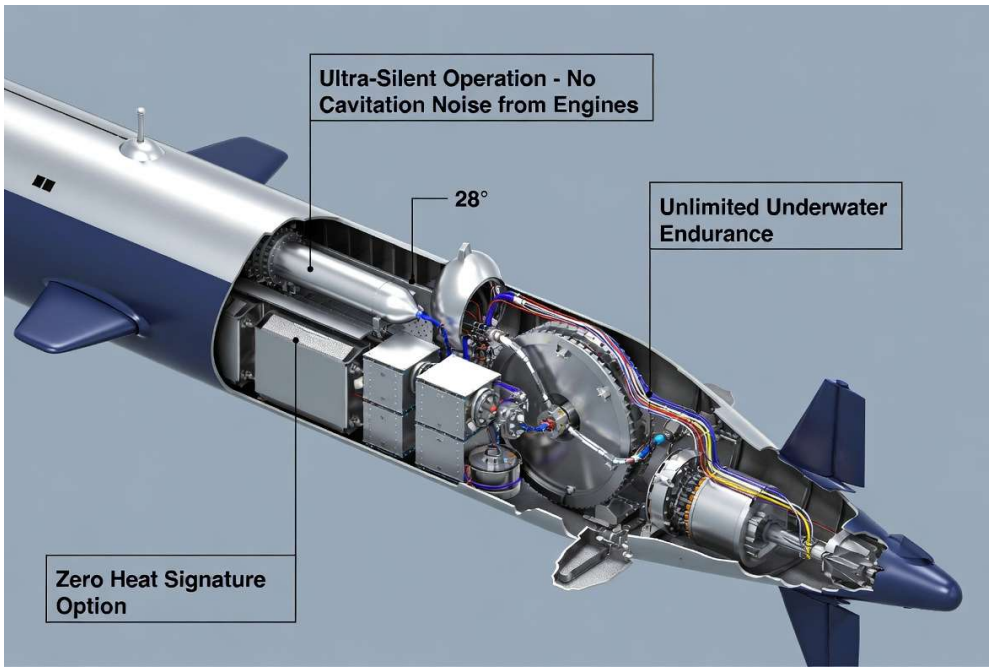
Figure 1: CIMES Maritime Power Clusters – Modular Ship Integration



3. Submarine Variant (Stealth & Unlimited Range)

Compact, pressure-hull integrated modules (500 kW–5 MW) replace diesel generators and batteries.

Figure 2: CIMES Submarine Variant – Cutaway

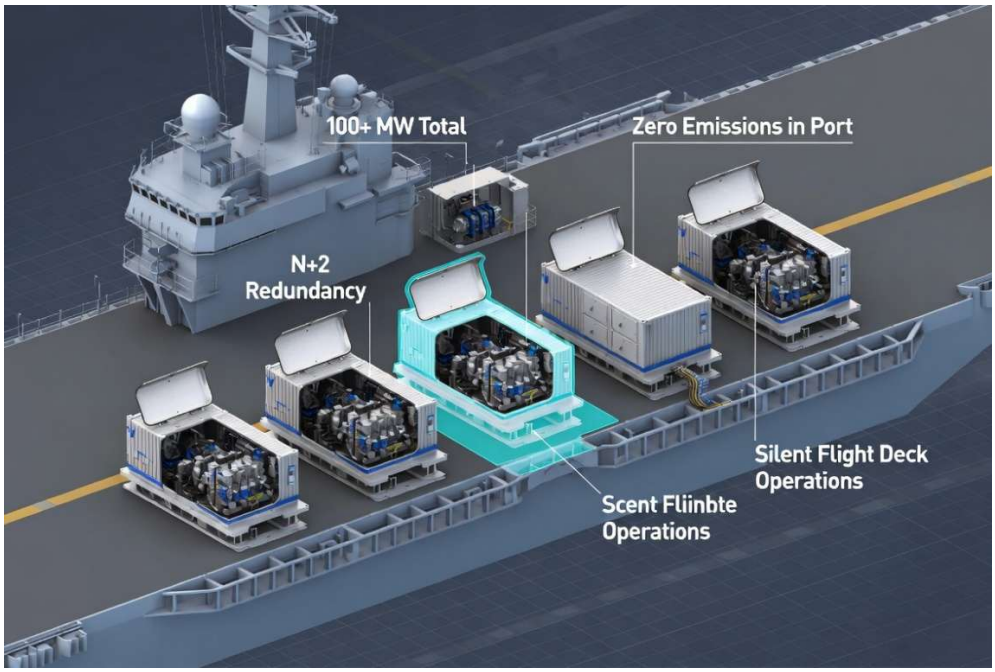


Advantages: True stealth (no engine noise), no snorkeling, indefinite submerged range.

4. Aircraft Carrier & Large Naval Vessels (100+ MW)

Six-pack or larger clusters (30–50 MW modules) provide main propulsion + hotel load.

Figure 3: CIMES Aircraft Carrier Installation



Advantages: No bunker fuel dependency during long deployments, silent flight operations, zero emissions when in port.

5. Container Ships & Commercial Cargo (20–80 MW)

Deck-mounted or below-deck containerized pods replace diesel engines.

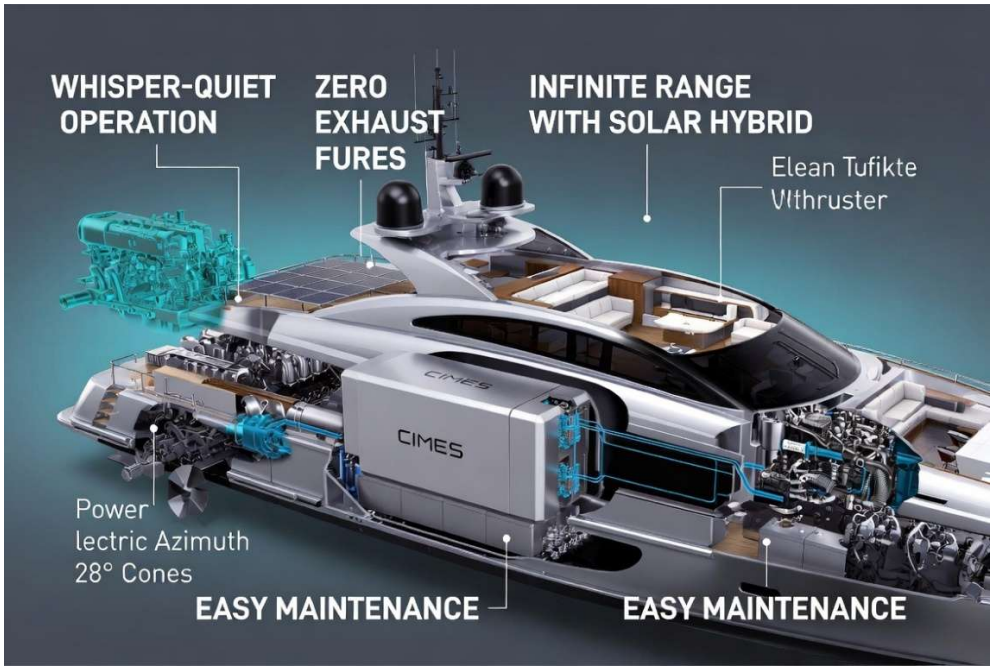
Figure 4: CIMES Container Ship Configuration

Advantages: Massive fuel savings (often 40–60 % of operating cost), faster port turnaround, compliance with future zero-emission zones.

6. Luxury Yachts & Private Vessels (500 kW–5 MW)

Compact, elegant below-deck or engine-room modules.

Figure 5: CIMES Luxury Yacht Integration



Advantages: Silent cruising, no diesel smell, unlimited range when paired with solar.

7. Technical Specifications & Scaling

- Power range: 500 kW to 100+ MW (r^3 scaling)
- Efficiency: 92–96 %
- Noise: Near-silent (critical for naval stealth)
- Maintenance: Hot-swappable modules
- Environment: Zero fuel, zero emissions, zero exhaust

8. Economic & Environmental Impact

- Fuel savings: $5–50 million per vessel per year (depending on size)
- CO_2 reduction: Hundreds of thousands of tons annually per fleet
- Regulatory compliance: Meets IMO 2050 zero-emission targets today

9. Next Steps

The core 28° cone geometry is proven at small scale and scales directly to maritime sizes. Full CAD files, naval-specific variants, and licensing discussions available upon request.

Download full technical data and simulation reports at www.simulationchallenge.com