

Ghost Core Reactor: Beyond Energy

The Vision

Ghost Core is more than a reactor - it's a civilization engine. By converting intense reactor radiation into electricity using cutting-edge thermophotovoltaics (TPV), we unlock a clean, emission-free energy source that powers cities, fuels agriculture, and creates fresh water from seawater - all from a single core.

Dual Function Integration

- Desalination: Reactor waste heat is routed into multi-effect distillation (MED) systems, producing up to 250,000 m³/day of clean drinking water in coastal deployments.
- Greenhouse Heating: Inland facilities repurpose heat to warm agriculture-scale greenhouses, enabling food production in any climate.
- Result: One machine solves three existential needs - power, water, and food - with minimal environmental impact.

Why It Matters

In a world facing rising temperatures, vanishing freshwater, and stressed food systems, Ghost Core presents a resilient infrastructure paradigm. It doesn't just reduce emissions - it actively empowers communities to thrive independently, sustainably, and securely.

Contact

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PDFs, infographics, and whitepapers:
<https://drive.google.com/drive/folders/1ZJOjRHNfq5FBJnBEizGmVi18nIYI2ovu>