

The Quantum Oasis — One Page Summary

What it is: A U.S.-built, self-powered emergency and energy platform that combines multi-modal energy harvesting, AI-optimized microgrids, and rapid-deployment shelters — delivering 30–50% higher thermoelectric efficiency via Thompson Optimization in trilayer graphene.

Why Ohio: Ohio's I-71 corridor, deep manufacturing base, and logistics network make it the ideal hub for design, production, and nationwide rollout.

- Energy: Vibration harvesting, trilayer-graphene thermoelectrics with Thompson Optimization, solar, water-to-electricity.
- Infrastructure: Rapid-deployment geo-dome shelters, integrated comms, climate control, helium-lift evacuation.
- AI Grid: Predictive allocation, self-healing microgrids, autonomous operations.

Impact for Ohio: Anchor manufacturing jobs, create exportable product class, position Ohio as the Quantum River Valley.

National Benefits: Faster, cheaper resilience; humanitarian deployments; defense-grade redundancy.

The Ask: Support a formal briefing before the House Energy & Commerce Committee, champion an Ohio pilot, and introduce research/manufacturing partners.