Passive Electromagnetic Energy Harvester

The Passive Electromagnetic Energy Harvester is a compact, non-invasive hardware module that recovers otherwise wasted energy from rotational motion in existing electromechanical systems. It enables improved system-level efficiency without requiring changes to legacy architecture.

The Problem

Legacy motors and drivetrains lose significant energy through rotational inefficiencies. This waste often goes unaddressed, especially in systems where redesign or software-based optimization isn't practical.

The Solution

The harvester passively integrates into rotational systems to capture lost energy. It operates without external power or disruption to host systems - offering a hardware-only path to measurable efficiency gains.

Key Benefits

- Energy savings across industrial and fleet applications
- Low-cost efficiency gains in legacy systems
- Scalable form factor adaptable to multiple use cases

Market Opportunity

Ideal for logistics, manufacturing, and commercial fleets. Target partners include system integrators and OEMs seeking to improve performance and sustainability without costly retrofits.

Let's Talk

We're currently engaging select partners to license and scale this technology. Reach out to explore pilot opportunities or discuss strategic alignment.

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