

HeatHarvester

HeatHarvester an idea by Lorenzo De Angelis to save the world

HeatHarvester is an open-source system for generating electricity from ambient heat, born from a clear vision:

to harness the heat produced by climate change to create clean energy. Not for profit, not for glory, but to help humanity live better, in harmony with the planet.

Lorenzo De Angelis, born in Rome on December 9, 1994, has chosen to donate this idea to the world, with no patents and no profit, so that anyone may develop it, spread it, and use it to fight global warming.

This is the official documentation of the project. Anyone using it is invited to credit Lorenzo De Angelis as the original creator and to preserve the spirit of the project: to create a cleaner, fairer, and more sustainable future.

Technical Description

The HeatHarvester system is based on dark metal surfaces that absorb ambient heat (even without direct sunlight).

These surfaces are connected to thermoelectric modules that convert temperature differences into electrical energy.

The cold side of the module can be cooled passively or using underground piping.

The generated energy is stored in a battery and can power devices like lights, fans, or sensors.

Objective

To use the excess heat caused by climate change to generate clean and useful energy,

with a system that becomes more effective as the world becomes hotter.
A virtuous cycle in response to one of the planet's most serious problems.

Potential Applications

- Off-grid power in hot areas
- Passive cooling systems powered by heat
- Emergency systems for shelters, tents, containers
- Environmental education and STEM projects
- Urban rooftop installations to counter heat island effects

License

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Anyone is free to use, modify, and share it, as long as credit is given to the creator, Lorenzo De Angelis.

Final Note

This document was generated to make Lorenzo's idea public and freely accessible.

If you are reading this and have the power to develop or fund sustainable solutions, consider this idea a call to action.