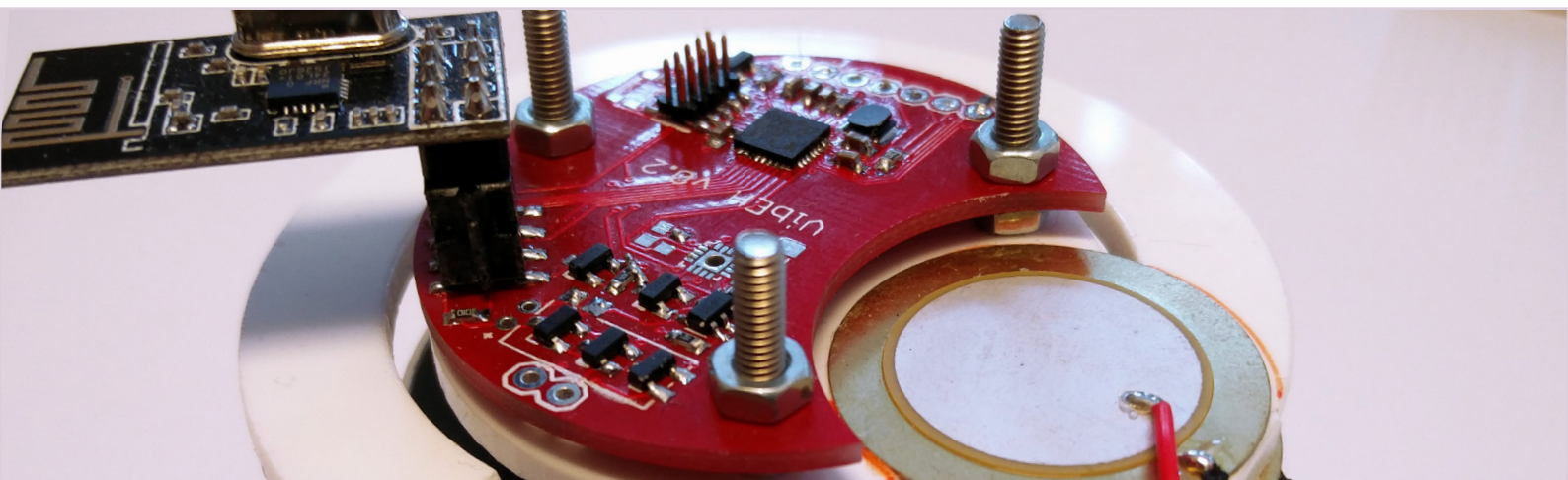


# Energy Harvesting Feasibility Studies

Let us help you determine the best way to power your device with energy-harvesting technologies.



IdemoLab's Energy Harvesting study helps you dive into researching fitting EH technologies - and includes a solution-finding workshop, where possible EH utilization routes are explored together with your companies design team.

## Our analysis includes three parts:

### A - Overview over components

Provided with information about your device's

- energy-consumption (min-max range),
- production numbers
- size

we investigate potential technologies and components within both thermal harvesting (TEG) and light harvesting (PV).

You'll get a list of potential components and their suppliers - as well as technical specs and contact information.

### B - Technology Overview

Based on input from you on the expected lifetime of your product, dutycycles etc., we provide an overview over both new and existing technologies available today, within the following categories;

- Battery technologies for wireless sensors/actuators
- Capacitors for wireless sensors/actuators
- Energy harvester power management IC's

We'll deliver a list of examples with fitting components including price, availability, technical requirements, benefits and pitfalls. We'll also find examples of use and applications for the components.

### C - Workshop - TEG or Solar cell technology in your current device

Based on additional info from you on your devices' mechanical design (incl. relevant materials etc.), a thermal simulation and scenarios for use, we'll conduct a one-day workshop where we will dive deeper in potential EH upgrades of your product.

After this, you'll have simple model of your product with EH, calculation of the potential energy delivered in your scenario, a list of necessary components - and a very good idea of the possible next steps for your new EH-based product!

## Contact us for more information!



### Contact

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