

ENERGY HARVESTING

Unleash the potentials of wireless, battery-free devices and sensor technology!

Your benefits

- Get a **comprehensive landscape** of energy harvesting (E.H.) technologies and all concepts of how energy can be **remotely generated**
- Gain overview on **status quo, ongoing research** and current as well as future possible applications of low power E.H.
- Gain insights into the **value chain** of energy harvesting by investigating key enabler technologies, such as **materials, processes and components** of E.H. solutions
- Understand the **possibilities and limits** of E.H. and let us support you in combining these insights with **your specific use case or business**
- Find **innovative, sustainable and self-sufficient** applications and solutions that can boost your business

Results

- **Comprehensive overview** of hundreds of must know but also surprisingly new applications
- **Profound structure and segmentation** of the areas of energy generation, energy management, sensor-technology and connectivity
- Get an **in-depth analysis of your own use-case** and learn about the use-cases of the **other** partners as well

Why this project?

E.H. allows to bring (I)IoT applications to almost every place working self-sufficient for years. Besides that advantages like **saving weight, wires and decreasing prices** are major drivers, that the **market is growing** with a CAGR of 11% reaching 840 \$ in 2024. This is supported by a growing attention to the **sustainable use of resources** in general and rare earths in particular and the therefore growing demand for possible alternatives such as E.H..

Procedure

The consortium consists of the research Partners, experts and about 12 industrial partners. In a kick-off meeting, three milestone meetings and workshops you will meet in your new network to track the progress of the project and continuously influence the content of the upcoming phase.

Framework

Start: Q3 2020
End: Q1 2021
Costs: 29,000 Euro

Research Partners

