# SUSTAINABLE MATERIALS, PROCESSES AND SYSTEMS FOR ENERGY TRANSITION

**MUR DM 117/VISHAY - Models for evaluation and simulation of complex magnetic ferrite component for E_mobility**

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## Context of the research activity
- Measurement and characterization of losses in a magnetic material (hard and soft ferrite) and complex magnetic component.
- Create a simplified thermo-electrical model of complex magnetic component.
- Method to identify parameters of the model.
- Software implementation and validation of model.

Progetto finanziato nell'ambito del PNRR – DM 117/2023 - CUP: E14D23002050004

## Objectives
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## Skills and competencies for the development of the activity
Preferably, Master's degree in electronic engineer, computer engineering, medical engineer, applied physics. The candidate should have solid base in math, physics and electronics. Basic skill in: Model and identification, Electronic measurement and Power electronics are welcome. Mathlab, Spice, Comsol, Phyton are tools that will be necessary.