



MAHAMADOU AMADOU HAMADOU

Doctoral Researcher in Energy Management
Renewable Energy • Hybrid Energy Systems •
Modeling & Control

✉ amadoumahamadou2018@gmail.com

☎ +33 (0) 7 66 61 00 74

📍 Cayenne, French Guiana, France

PROFILE

Master's graduate in Advanced Energy Materials and Renewable Energy. Research interests include hybrid energy systems, microgrids, energy management, modeling and simulation, and control strategies.

EDUCATION

- Master's degree in advanced Energy Materials and Renewable Energy at CY Cergy-Paris Université, 2023–2024
- Master's Degree in Experimental Physics at CY Cergy-Paris Université, 2022–2023
- Bachelor's Degree in Fundamental Physics at University of Agadez, 2017–2021

RESEARCH EXPERIENCE

- UMR 6134 SPE Laboratory, Ajaccio — Energy Engineering Internship (2024). Collective self-consumption in a photovoltaic microgrid: literature review, consumption/PV production profiles, production allocation, simulation and results analysis. Tool: Python.
- Physics Laboratory, CY Cergy-Paris Université — Research Internship (2023). Experimental study of a hybrid solar panel: light-flux measurements, current/voltage characteristics, thermal behavior and electrical performance.

SKILLS

MATLAB/Simulink, Python, PVsyst, Microsoft Office. Renewable energy, hybrid systems, microgrids, modeling and simulation.

LANGUAGES & INTERESTS

- French: Bilingual
- English: Intermediate
- Football, Taekwondo, Artificial Intelligence, Energy Transition