

PROFILE

A versatile engineer, I combine solid expertise in energy design, technical project management and data analysis. I want to combine technical expertise and managerial skills to manage the energy transition in international environments.

PROFESSIONAL EXPERIENCES

Equans - Apprentice as a Design Office Assistant

Lyon, France

09/2022 - 09/2025

Project 1: Nanosciences and Technologies Center of Paris Saclay

- Provided support to clients and collaborated with several agencies as part of a nano science project.
- Commissioning of an advanced air treatment system for clean rooms equipped with highly sensitive devices.
- Implemented an energy-saving system to significantly reduce the energy costs of the installation.

Project 2 : Automotive Cells Company of Barcq en Baoul

- Commissioning of an air treatment system for automotive cells, managing the containment of NMP solvents and improving pipeline aerodynamics with real-time monitoring capabilities.

Project 3: Contamination in food and beverage industry

- Development of an airflow measurement tool to prevent cross-contamination in the food industry.

CEME - Design Office Assistant Internship

Paris, France

04/2022 - 07/2022

- Thermal and hydraulic calculation.

SCHOOL PROJECTS

Hybrid and hydrogen energy systems

- Fuel cells modeled in Matlab/Simulink .
- Development of energy management strategies for hybrid systems (PV + Batteries + H2).

Wind, geothermal and biomass

- Optimized development of a wind farm for maximum energy efficiency.
- Realization of feasibility studies for urban geothermal heating networks and techno-economic sizing of biogas plants.

Interdisciplinary skills

- Evaluation of solar resources and selection of materials for photovoltaic systems.
- KNX protocol for the intelligent management of building energy.

LANGUAGES

English (Fluent) | Spanish (Native) | French (Bilingual) | Arabic (Native)

✉ assia.madloum@gmail.com

☎ +33 765242204

📍 Lyon

- Drive Licence B- In Progress

Web Site

[Assia Madloum | LinkedIn](#)

Skills

- Proactive problem solving
- Diplomacy in exchanges
- Sense of listening
- Constructive critical sense

Education

09/2022-09/2025 | **Central School of Lyon**

Lyon, France

MSc. Energy and facility engineer

09/2020-08/2022 | **University Technology Diploma**

Montluçon ,France

Energy and Thermal Engineering

10/2018-08/2020 | **University of Malaga**

Spain

Health Engineer

09/2016-08/2018 | **University of Grenoble Alpes**

Grenoble, France

Bachelor Degree in Biochemistry

09/2015-08/2016 | **University of Medicine**

Montpellier , France

First Common Year of Health Studies

Digital Tools

Data Management

Power Query, Power BI, Python, SQL , Excel

Technical

Fluent, Dialux, KNX, Autocad, Navisworks, SolidWorks