



MOURAD OMAR

Energy engineer

Education

2019-2022 Diploma of State Engineer - option Energy Engineering
Faculty of Sciences and Techniques Mohammedia.

2017-2019 DEUST-MIP(Math,IT, Physics)
Faculty of the Science and Techniques Mohammedia.

Baccalaureate- option Science Math B
2016-2017 High school AL Khawarizmi- Casablanca

Experiences professional

October- November 2022 **Save consulting thermique Alami**

Hvac engineer.

- Mission: Study and design systems of air conditioning, ventilation, smoke extraction and sanitary plumbing..

February-June 2022 end-of-study internship : Jet Energy

Solar engineer.

- Energy audit of the Faculty of Science and Technologies Mohammedia.
- Study and sizing of a photovoltaic solar power plant within the FSTM.

April- June 2021 end of year internship : Koutoubia

Industrial refrigeration engineer .

- Study, diagnosis and resizing of a refrigeration system for poultry drying in the "Délice Viande" unit.
- Assistance and contribution in refrigeration systems interventions.

Skills techniques

- Design of refrigeration system.
- Design of the systems of air conditioner, heater and treatment of air, ventilation. sizing of Hvac system.
- Sizing Plumbing sanitary, smoke extraction, protection versus the fire.
- Design and sizing of heat exchanger
- Sizing of the aerodynamic systems and hydraulics.
- Sizing of one system solar thermal at low temperature.
- Modeling and sizing of photovoltaic solar and wind system
- Maintenance industrial, security and safety of functioning .

Mini-projects realized

- Design and sizing of shell and tube heat exchanger with the software HTRI 7.
- Sizing of the balloons of separation liquid-vapor at the pressure intermediate and the low pressure for them refrigeration systems.
- Study and sizing of a wind farm.
- Entrepreneurial project (Ecological gymnasium): produce electricity from the bicycle.

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SOFTWARE

- AutoCad (intermediate)
- AutoFluid (intermediate)
- Ansys Fluent, Abaqus (beginner)
- Pvsyst (advanced)
- Hap (intermediate)
- SketchUp (intermediate)
- Caneco BT (beginner)
- Block load V 4.15 (Advanced)
- REVIT (beginner)
- Microsoft office (advanced)
- Matlab (intermediate)
- HTRI7 (advanced)
- SOLKANE (advanced)
- Tsol (intermediate)
- Binayat (intermediate)

Languages

- **Arabic** : native language
- **French** : Advanced
- **English** : intermediate

Standards

- ISO 9001
- ISO 50001
- ISO 45001

Divers

- E-learning
- Music
- Sport
- Trading