RAED BEN BELGACEM

Energy Engineer

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PROFILE

Young energy engineering graduate freshly graduated from the National School of Engineers of Monastir (ENIM) specialized in thermal fluids. I am also deeply interested in the fields of renewable energies and energy efficiency. My strong motivation, creativity, and ability to adapt easily to various work environments allow me to approach technical challenges with agility, while fostering smooth communication within multidisciplinary teams. I am currently seeking a stimulating professional opportunity that will allow me to enrich my experience in the field of energy engineering

EDUCATION

Energy Engineering Diploma

National Engineering school of Monastir

Sept. 2020 – Sept. 2023

Preparatory cycle in mathematics and physics (MP)

Preparatory Institute of Nabeul for Engineering Studies

Sept. 2018 – June 2020

Bachelor's degree in mathematics

Pioneer high school of Medenine

June. 2018

PROFESSIONAL EXPERIENCE

End of study internship

HK CONSULTING

Feb. 2023 – June. 2023

Mission : – Design and sizing of HVAC-D and plumbing networks for the "EXOTEC Headquarters" building in France using the BIM concept
Used software : Revit, Autocad, Pléiades, Thermexcel, Aéroduct

Technician internship

Thermal power plant for electricity production in Sidi Abdelhamid, Sousse

Jul. 2022

Mission : – Study of the condenser vacuum system and the water box vacuum system
Used software : Climawin, Fluent

Introductory internship

STEG MÉDENINE

Aog. 2021

Mission : – Evaluation and optimization of electrical distribution in the administrative premises of STEG
Used software : Excel

LANGUAGES

- **Arabic :** Native language
- **French :** Read, written, spoken
- **English :** Read, written, spoken (TOEIC CERTIFICATION / Score :825)

SKILLS

- **CAD and Simulation Software**
  SolidWorks | Design Builder | Revit | Fluent | Ansys Fluent | Comsol | Autocad | ASPEN
- **Quality Processes and Standards**
  AMDEC | ISO 9001 | ISO 50001
- **Programming Languages and Software**
  Matlab | Visual Basic | Fortran | F-Chart | Python | SQL
- **Office Software**
  Pack Microsoft Office

ACADEMIC PROJECTS

Mini-Project : Study and application of solar calculation models in the field of solar collectors

– Use of the ASHRAE model for calculating the global solar irradiance on a horizontal surface.
– Calculation of the total solar energy received by the surface of the collector for each angle throughout the day
Used software : Excel

Mini-Project : Sizing of a domestic heating system using a collective solar water heater

Used software : Solo 2018

Mini-Project : Calculation of heating and air conditioning thermal requirements for a building

Used software : Climawin

Mini-Project : Sizing of a shell and tube heat exchanger

Used software : ASPEN

Mini-Project : Creation of a database for ensuring maintenance of an industrial machine

Used Software : AMDEC, NOIRET, PARETO, Excel

COMMUNITY INVOLVEMENT

President of the music club ING.ENIM

Active member of the Ciné Club ING.ENIM

INTERESTS

Singer | Music | Cinema | Traveling