



Jobseeker Profile

Looking for Job as (Job designation + Industry – multiple possible):

- (Assistant) Project Engineer in Renewable Energy / HVAC Industry
- Junior Energy Engineer
- Sustainability and Maintenance Engineer

Looking for a Job in (City/Country – multiple possible):

- Malaysia: In areas around Negeri Sembilan, Melaka, Pulau Pinang, Kedah

Education (Degree + (optional) University):

- Bachelor's Degree in Energy and Environmental Engineering
University of Applied Science Zittau/Görlitz, Zittau, Germany
- Cambridge A-Level & TestDaF
German-Malaysian Institute, Bangi, Malaysia

Work Experience:

Xindeco IoT Nilai, Negeri Sembilan, Malaysia

October 2025 – **Production Engineer**
present

- Supervise daily production activities of RFID products and ensure adherence to standard operating procedures (SOPs)
- Monitor and analyze production performance to identify areas for improvement in yield, efficiency, and product quality
- Assist in equipment setup, calibration, and preventive maintenance to minimize downtime
- Conduct root-cause analysis for production issues and implement corrective actions

University of Applied Science Zittau/Görlitz, Zittau, Germany

Mar 2025 - Jun 2025 **Bachelor's Thesis - Design and Construction of an Alkaline Electrolyser Demonstration Model**

- Designed and built a functional alkaline electrolyser demonstration model for educational and exhibition purposes
- Researched electrolyser types, selected suitable technology, and tested individual components
- Conducted functional tests, identified potential improvements, and documented and discussed results in the written thesis

University of Applied Science Zittau/Görlitz, Zittau, Germany

Aug 2024 - Nov 2024 **Student Assistant**

- Assisted in the project "Development of a Non-Pressurized Heat Storage System for the Efficient Utilization of Industrial Waste Heat" (EDWENIA)



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Industrie- und Handelskammer

- Acquired knowledge of the principles of two-substance heat storage systems with sphere and rock bed fillings
- Prepared theoretical foundations for modeling pressure drop and heat transfer in packed beds under flow conditions
- Assisted in conducting measurements, analyzing results, and validating experimental data against theoretical models

Ingenieurbüro Hoffmann GmbH, Dresden, Germany

Aug 2023 - Jan
2024

Internship

- Assisted in heating, ventilation, and sanitary system planning, primarily focusing on graphical representation with floor plans and schematics for various construction projects
- Designed photovoltaic systems for pitched and flat roofs, including schematic representation, inverter sizing, and yield calculation using Sunny Design Web software
- Expanded an internal market overview of current air-to-water and brine-to-water heat pumps, compiling key technical specifications

Skills:

- Basic knowledge and practical exposure to TAL and DDA machinery operation
- Microsoft Office
- Auto-CAD Software (NX Siemens)
- Trimble Plancal-Nova

Language Skills:

- Malay (Native Proficiency)
- English (Professional Working Proficiency)
- Deutsch (Intermediate Proficiency)

Other Certificates:

EXCEL 101 Mastery Course

July 2025

- Gained proficiency in advanced Excel functions, including XLOOKUP, VLOOKUP, Power Query, and Macros
- Learned extensive keyboard shortcuts to improve efficiency and workflow execution
- Acquired skills in creating interactive dashboards for data visualization and reporting

Nationality:

- Malaysian

Work Permit:

- Does not required any to work in Malaysia



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What you think a potential employer should know about you:

I am a highly motivated and adaptable fresh graduate in Energy and Environmental Engineering with a strong passion for sustainable technologies, particularly in solar energy and industrial efficiency. I learn quickly and enjoy taking on challenges that allow me to apply both technical and analytical thinking.

My background in energy systems, combined with hands-on exposure to design and testing, has built my ability to work independently and collaboratively in engineering environments. I am eager to grow within the industry, contribute to meaningful projects, and continuously develop my skills to support my team and company goals.