

Design Engineer

1. Understand customer specifications.
2. Handling customer discussions and meetings (asking for missing information, getting approval, etc.)
3. Designing/selection of required/missing materials and parts, and other essential parameters to comply with the electrical, operational, dimensional and UL requirements. (Electrical, dimensional, and other related calculations should be completed first).
4. Deciding the process flow and operating times for the product (this information will be used in the sales quotation price calculations)
5. Check the machine availability to complete a particular/unique process. If not available, find suitable machines or accessories and acquire the costs (these costs will be sent to the customers as initial costs along with the quotations)
6. Designing/deciding appropriate packing standards.
7. Designing and preparing initial mechanical drawings (e.g.: PCB Base) to match with customer requirements/discussions (the drawings will be sent to the relevant suppliers to get the unit price and initial costs i.e., mold cost, tooling cost, etc.). If a complete 3D drawing of the final product is required, disseminate the requirements and design considerations to the mechanical engineer.
8. Material Qty calculations per product (potting compound, varnish, wire, packing, tape, glue, mylar, etc.)
9. Send RFQ to suppliers. Compare and select the cost-effective supplier for a particular raw material/part.
10. Insert BOM list into our price calculation sheet and calculate the price for sales department.
11. Create documentation in our system ERP (BC) and SharePoint.
12. Build our datasheet database in ERP.
13. Correct BOM for packing material and usage of raw materials which is not given significant price increase.

QUALIFICATIONS & REQUIREMENTS

1. Bachelor's degree in Electrical Engineering, Electronics Engineering, Mechatronics, or a related field.
2. Solid understanding of electrical, dimensional, and UL/safety standards and compliance requirements.
3. Ability to perform electrical and dimensional calculations to support product design.
4. Experience in material and component selection (wire, PCB, potting compound, varnish, mylar, glue, packing materials, etc.).
5. Familiarity with PCB design and basic mechanical drawing; exposure to 3D CAD is an advantage.

6. 2–5 years of experience in R&D, product engineering, or applications engineering in a manufacturing environment.
7. Experience preparing and managing Bill of Materials (BOM).
8. Experience sending RFQs to suppliers and evaluating cost-effective sourcing options.
9. Hands-on experience with ERP systems (Business Central / BC, or equivalent).

Subject: Job Opportunity at Kohsel Thailand – Design Engineer

Dear K' Kittiyos,

I hope this message finds you well.

My name is Ratrawee - chi, and I am part of the Human Resources team at **Kohsel Thailand**. I came across your profile and felt that your background could be a strong match for an opportunity we currently have open.

About Kohsel (Thailand) Co.,Ltd.

KOHSEL A/S is a Scandinavian transformer manufacturer with a strong financial rating and over 50 years of experience in designing, constructing, and producing customer-specific transformer solutions. The company serves various business sectors such as wind energy, solar power, pumps, refrigeration, air conditioning, and general industry. With a global production and supply chain, KOHSEL A/S is dedicated to delivering high-quality transformer products.

The Opportunity

This is a full-time on-site role for an Electrical Design Engineer located in Ratchaburi, Thailand. The Electrical Design Engineer will be responsible for designing electrical systems, engineering design, and power distribution for transformer solutions. The role will involve day-to-day tasks related to electrical design and ensuring efficient power distribution.

Next Steps

If this opportunity interests you, I would love to connect and share more details. Please feel free to reply to this email or reach me directly at 098 9416564 / Line ID : cratrawee. Alternatively, if you would like to proceed, kindly send your updated CV to hrm.kt@kohsel.dk at your earliest convenience.

I look forward to hearing from you and hope we have the chance to explore this further together.

Warm regards,

Ratrawee Chaemcharoenporn

Human Resources | Kohsel (Thailand) Co.,Ltd.

Tel: 098 941 6564 | Email: rrw@kohsel.dk

