Sr. Mechanical Designer (Transformer Design Exp. Req.)

in Buffalo, NY · Full-time · **$110k–120k**

Sr. Mechanical Designer (Transformer Design Exp. Req.)
Location: 100% onsite in Buffalo, NY, United States of America – Relocation Assistance Available
Salary: $110,000-$120,000 USD + Bonus Potential + Annual Cost of Living Increases
Benefits: Medical, Dental, Vision, Life Insurance, Disability, 401K w/ Match, PTO
Job Type: Full-Time
Typical Hours: Monday–Friday, 8:00am–5:00pm Flexible
Start Date: ASAP
Sponsorship: Supporting TN visa work authorization (Eligible Canadian & Mexican Citizens)
Relocation Assistance: Available

Sr. Mechanical Designer (Transformer Design Exp. Req.) Description

Our client in the transformer industry is looking for a **Sr. Mechanical Designer** to add to their team in Buffalo, New York. In this role, you will develop and improve mechanical designs for customized transformers, ensuring solutions are technically sound, manufacturable, and cost-effective. The ideal candidate will have strong transformer design experience, 3D modeling skills, and knowledge of applicable codes and industry standards. To be successful, you must have strong attention to detail, sound engineering judgment, and the ability to deliver accurate, manufacturable designs while collaborating across teams and mentoring junior engineers. This is a great opportunity to join a well-established and stable company while taking ownership of transformer projects and contributing to product and design improvements.

Sr. Mechanical Designer (Transformer Design Exp. Req.) Responsibilities

- Develop mechanical designs for customized oil-filled transformers
- Perform design calculations to develop manufacturable, cost-effective solutions
- Develop Bills of Material for standard and custom transformer components
- Prepare and review technical drawings, specifications, and engineering documentation
- Define loads and boundary conditions for FEA and review completed analysis
- Create and modify designs using 2D CAD and 3D modeling software
- Ensure designs meet customer requirements and applicable industry standards
- Troubleshoot production and field issues and implement corrective design changes
- Collaborate with engineering, sales, project management, and manufacturing teams
- Support new product development, testing, validation, and continuous improvement
- Maintain and improve engineering and mechanical design standards
- Mentor and provide technical guidance to junior engineers and designers

Sr. Mechanical Designer (Transformer Design Exp. Req.) Qualifications

- Bachelor’s degree in mechanical engineering or an equivalent discipline is required
- 5+ years of transformer design experience, including **BOM creation**, is required

- Experience designing **oil-filled or liquid-immersed transformers** is required
- Strong proficiency with 2D CAD and 3D modeling software is required
- Strong working knowledge of applicable codes & standards, including ANSI & IEEE, is required
- Strong written & spoken English language skills are required
- Ability to work 100% on-site is required

Apply: https://twonice.hire.trakstar.com/jobs/fk0z88b/?apply=true

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