

Job Title: Mechanical Engineer, Power Transformer Design

Niagara Transformer Corporation (NTC) is a leading U.S. supplier of custom medium voltage oil filled transformers and other power generation equipment, systems and services to utilities and industrial markets in the U.S. and overseas.

We are actively seeking a Mechanical Transformer Engineer to join our staff.

This position is responsible for the development of mechanical designs of oil type transformers utilizing mechanical design principles, appropriate industry standards and company design practices. The successful candidate will be able to produce technically accurate designs within schedule and budget requirements. Relevant experience in energy systems or heavy industrial equipment is preferred, experience in transformer manufacturing or substation design is highly desired.

Essential functions include, but are not limited to:

- Design electrical parts of the transformer for every job assigned;
- Create bill of materials required for advance purchase orders;
- Prepares core and coil manufacturing drawings;
- Coordinate with colleagues responsible of Mechanical Design, Procurement, manufacturing and Sales.
- Responsible for preparing quote Designs per customer specifications;
- Prepare internal design documentation to other design areas (Mechanical design, control) as well as test requirements.
- Skilled to perform designs of complex transformers
- Validate designs using simulation methods (FEM analysis)
- Participate in Design review meetings with customer / consultants

Qualifications:

Bachelor's degree in Mechanical Engineering or equivalent engineering Discipline.

At least 5 years' experience in working in an engineering, manufacturing or technical environment, with ability to read and understand technical documents.

Relevant experience in transformer or other power-related products

Preferred to have knowledge of applicable codes and standards including ANSI, IEEE, NEC, CSA and others.

Detailed working knowledge and in-depth experience with AutoCAD and 3-D modeling software.

Proficiency in use of, AutoCAD, Inventor, MRP tools, Working knowledge and skill with Word, Excel, Access and PowerPoint

Complete accountability for one's own work, and oversight of the work of others.

Creative thinker. Strong analytical skills, detail oriented

Excellent communication skills, both written and verbal with attention to details.

Ability to train, coach and assist junior team members

Company is experienced in TN and H1B visa cases and candidates on visa should feel free in applying.