



TRUST. WELL EARNED.

Human Resources

Electrical Design Engineer Job Description

Job Title: Electrical Design Engineer

Location: Plzeň, CZ

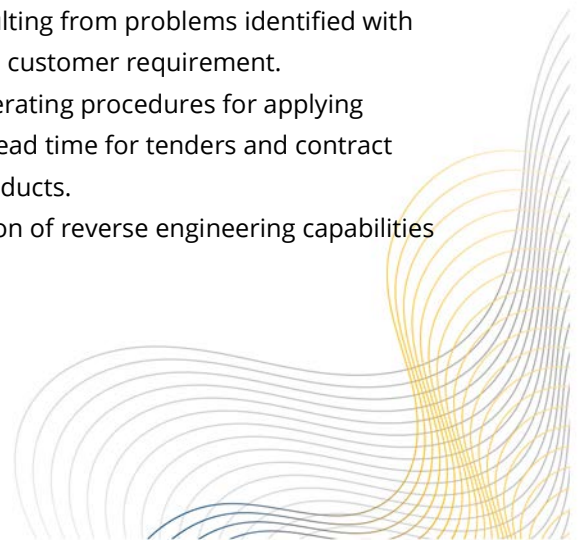
Department: Engineering

Role Purpose

To deliver expert technical guidance to the BRUSH Generators Value Stream on electrical design methods, ensuring that the capability and function of the generator product exceeds customer requirements.

SECTION 1 – Key Responsibilities

- To deliver a leading-edge Generators electrical design capability that demonstrates excellence in a competitive market.
- Ensure that all designs and applied technology are compliant with the relevant technical, safety and environmental standards, codes of practice etc.
- Leading a team of Engineers, in conjunction with the Transformers Test Expert and other team members, design and develop modifications to the existing product range, and lead new product development to support the business strategy for growth.
- Identify, lean techniques and methodologies within the Engineering department to improve efficiency and flexibility in alignment with Operations and Quality Departments.
- Provide regular data to support KPI and visual management measurements such as.
 - Engineering hit rate for the processing of tenders & inquiries.
 - Engineering feed into drawing office.
 - Design accuracy for material consumption and product performance on test.
 - Delivery of customer drawings.
 - Delivery of manufacturing drawings.
 - Processing of ECR's.
 - Delivery of O & M manuals.
 - Provision of NCR dispositions.
 - Frequency and close out of NCR's raised against Engineering.
 - Response to Client service enquiries.
 - Delivery of recommended spares lists.
- Manage, and provide solutions for, design change requests resulting from problems identified with existing products, obsolescence of supplier products or a change to customer requirement.
- Work cross functionally to develop and implement standard operating procedures for applying engineered changes to the electrical design features to reduce lead time for tenders and contract designs whilst improving the quality and repeatability of the products.
- Assist the Engineering Manager in the review and implementation of reverse engineering capabilities and solutions through:



- Analysis of test results, in conjunction with the Transformers/Generators Test Expert, and provide formatted presentations to both internal and customer requirements.
- Develop best practice within Engineering Design across the Generator Value Streams.
- All employees have a legal duty to take reasonable care for the health, safety and environment of themselves and of others who may be affected by their acts or omissions at work and to observe and follow the relevant systems, rules and methods of working.
- Ensure all data protection activities of personal and special category data; pertaining to current employees, customers and all other external stakeholders, are done so in line with the company's data Protection Policy.
- Accountable for the adequate data protection activities and awareness levels within their area responsibility, in line with the data protection policy.
- The job description is not to be regarded as exclusive or exhaustive and you may be required to undertake various duties as may reasonably be required of you by the Company.

SECTION 2 – Person Specification

Qualifications or Functional Experience

- University Degree Electrical Engineering or equivalent.
- Applicants will need to demonstrate an extensive knowledge of medium/large electrical machinery specifically Generators.
- Proven track record in the management of people and all aspects of performance management, appraisal.

Knowledge/Skills

- Proficiency in the use of Microsoft Office applications particularly Excel and Power point.
- Preferable for experience of 3D CAD.

Personal Attributes

- Anticipates the customers' requirements, recommending action to exceed expectations and develops strong working partnerships both internally and externally.
- Provides clear, concise, and accurate written, verbal, and interpersonal communication.
- Brings opportunities for change to the attention of others. Proactively highlights opportunities for improvement in process and procedure within their own area of expertise.
- Influencing skills with proven delivery through others where there is no direct authority.
- Experience of working in an Engineering environment.
- An analytical thinker.
- Particular Skills in the following areas are essential:
 - RCA Investigations.
 - Presentation Skills.
 - Project Management.
 - Change Management.
 - Problem solving.

