



<b>Job Title:</b>	<b>Senior E/I Maintenance Engineer</b>		
		<b>Job Type:</b>	Regular, Full-Time
<b>EEO Job Class:</b>	Professional	<b>FLSA Status:</b>	Full time, Exempt
<b>Department:</b>	Engineering & Maintenance	<b>Pay Grade</b>	
<b>Reports to:</b>	Engineering & Maintenance Manager		
<b>Indirect Reports:</b>	Junior Mechanical Engineer, Mechanical Engineer(s) I/II, Maintenance Technicians		

### JOB SUMMARY / OVERVIEW

The Senior E&I Engineer will be responsible for establishing the reliability of electrical assets at optimal cost. This includes the development and implementation of comprehensive Reliability Centered Maintenance strategy through actions that support achievement of plant goals, objectives, and key performance metrics. This position recognizes and acts on opportunities to ensure and/or improve safe, reliable, and cost-efficient plant operations.

The Senior E&I Engineer will act as a SME (Subject Matter Expert) in reliability strategy that includes: long/short term objectives, reliability engineering, electrical integrity management interaction (PSM), predictive & preventive maintenance plans and strategies, input/guidance on budget & cost control, directing maintenance & contractor activity oversight (repair/overhaul), contractor strategy & performance input, spare parts recommendations, equipment data management, and mentorship to employees concerning equipment reliability.

This role is a mentorship/leadership position that supports an overall team effort to develop and implement a policy and plan which may include budgets; Health, Safety, Security & Environmental matters; Organizational & Cultural development of the Engineering Department; as well as other aspects of the company's business.

### ESSENTIAL JOB FUNCTIONS

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions and competencies.

- Develop and implement plant equipment reliability procedures that focus on employee safety guided by equipment industry best practice.
- Lead the discussion on work prioritization of plant equipment repairs to meet site objectives and goals.



- Coordinates and ensures capital and operational projects are conducted safely, within budget, established timeframes, required quality and in accordance with procurement policies and procedures
- Provide leadership and support to ensure Electrical Integrity program is in compliance with OSHA requirements and Company policies.
- Manage effective utilization and integrity of the computerized maintenance management system (Maximo), including program and equipment upgrades, training, implementation, and modifications as needed to meet established goals and objectives.
- Provides engineering and technical support to Maintenance, Operations, Inspection, Process and Project personnel regarding selection, operation, maintenance, troubleshooting and long-term reliability of plant equipment.
- Develop and implement area(s) including: PM/PDM programs, maintenance benchmarking activities, and implement and share Strategic Maintenance Performance Metrics to improve cost productivity, plant reliability, and achieve "World Class" maintenance excellence.
- Lead document reviews, performance testing and shop inspections for major electrical equipment.
- Lead team effort for the continuous improvement of equipment reliability through the development and application of effective reliability strategies such as: risk-based maintenance strategies, identification & assessment of risks, root cause and bad actor analysis, and spare parts reviews.
- Participates in and at times lead pre-commissioning and commissioning activities that includes witnessing equipment installation.
- Provide team input on the final check-out of new installations. This includes factory and site acceptance testing that will assure adherence to functional specifications.
- Lead RCA/RCFA investigations on premature equipment failures as needed.
- Lead team equipment capabilities to partner with equipment vendors and repair shops to resolve technical issues or complex equipment repairs.
- Lead troubleshooting activities for Electrical and instrumentation equipment.
- Act as subject matter expert to provide input for the development and implementation of effective programs for training employees.
- Work with maintenance team to develop contact list and relationships for turnaround contractors and repair facilities.
- Review and make recommendations on Operation Procedures concerning proper startup and shutdown of equipment.
- Review and make recommendations on operation envelope (parameter) on equipment.
- Develop and mentor Junior Engineers.
- Follow all relevant company policies and procedures.
- Live up to the key values of the Organization and act accordingly during the whole life cycle of our human assets.
- Actively seek and pursue development of skills needed to progress in the field of engineering and leadership/management.



- Always present a professional image to clients and vendors and maintain a positive reputation of the company.
- Assists other Departments and other administrative personnel as necessary.
- Perform other tasks as assigned.

## **QUALIFICATIONS**

### **LICENSES, CERTIFICATIONS, AND/OR REGISTRATIONS**

- None required.

### **EDUCATION, EXPERIENCE, AND/OR TRAINING**

- Bachelor's degree in Electrical Engineering required.
- Minimum seven (7) years working in chemical or petrochemical industry required.
- Relevant engineering/operations experience with 69 kV, 13.8kV, 4160- and 480-volt transmission, switching and control
- Working knowledge of industry codes and standards (IEC, NFPA, ANSI, IEEE, NEMA, etc.) required.
- Experience in testing and commissioning of electrical power equipment (type testing, field testing, factory testing, etc.) preferred.
- Experience in Instrumentation and DCS controls preferred.
- Experience working with predictive maintenance tools preferred.
- Experience in training/mentoring technicians preferred.

### **KNOWLEDGE, SKILLS, AND ABILITIES**

- Problem Solving/Analysis.
- Results Driven.
- Communication Proficiency.
- Technical Capacity.
- Teamwork Orientation.
- Strong leadership and mentoring skills.
- Strong analytical and project management skills.
- Working knowledge of budgets, forecasting and metrics.
- Effective presentation skills.
- Demonstrated skills in effective oral and written communication.
- Customer service.
- Ability to apply knowledge of materials management concepts and techniques.
- Project management skills – ability to perform sound analyses on projects.

## **SPECIAL REQUIREMENTS**

**TOOLS / EQUIPMENT**

- Computer
- Copy Machine
- Scanner
- Telephone system

**SOFTWARE**

- Proficiency in Microsoft Office, including Excel, Word, and Outlook required.

**PHYSICAL**

- Ability to lift 20 lbs. occasionally.
- Ability to sit for prolonged amounts of time required.
- Ability to effectively communicate through various means required.

**ENVIRONMENTAL**

- Majority of work is performed within an office environment, including office equipment – such as computers, telephones, and copiers.
- Requires passing by industrial equipment on the way to office.
- Noise levels are typically moderate.

**WORK SCHEDULE**

- Regular 40-hour work week, normal duty hours as assigned.
- May work longer hours to meet deadlines as necessary.

**TRAVEL**

- Less than 10% of the time.

**DISCLAIMER**

This is not necessarily an exhaustive list of all responsibilities, skill, tasks, requirements, efforts, or working conditions associate with the job. While this is intended to be an accurate reflection of the current job Proman USA reserves the right to revise or change job duties and responsibilities as business needs arise. In compliance of ADA regulations, the employee must be able to perform essential functions with or without reasonable accommodation in a satisfactory manner, further accommodations shall not be made if it constitutes an undue hardship on this organization.

**Signatures**

This job description has been approved by all levels of management:

Manager\_\_\_\_\_



HR \_\_\_\_\_

Employee signature below constitutes employee's understanding of the requirements, essential functions and duties of the position.

Employee \_\_\_\_\_ Date \_\_\_\_\_