Position Title: Facilities/EHS Engineer

Job Description

Facilities/EHS Engineer position will be responsible of implementing, first and foremost the safety policies, protocol and facilities operational procedures. Will carry out the specific instructions and procedure with full regards to safety of employees, customers, vendors and contractors, guests and the property, and the environment. A basic understanding of liquid chemistries and gas chemicals common to the semiconductor industries and specifically as applicable to the Eugenus’s technology. Can work with managers, engineers and tool owners from across all departments on facilities support functions such as equipment installation, facilitization and project coordination. Ability to perform standard trouble-shooting and repair method, testing, measuring and conducting failure analysis for facilities equipment. Able to work with external service providers, equipment and spare part suppliers, contractors and consultants to achieve the reasonable operational sustainability. Understanding of common regulatory permitting and implementation processes for EH&S and EMS. Reporting and communication capability to convey all aspect of facilities operational conditions.

Job Requirements

• BS in Electrical or Mechanical engineering or equivalent of on the job experience with a strong emphasis in semiconductor plant operation or similar industry is preferred.
• Basic knowledge of facilities support activities and equipment, safety network and device, preventive and corrective maintenance procedures and implementations.
• At least 1 year of hands-on working experience in a semiconductor, semiconductor equipment or similar manufacturing facilities is a plus.
• Be able to demonstrate a simple project planning and executions with emphasis on time and cost effectiveness.
• Capable of performing and accomplishing tasks utilizing the company’s SOP with minimum supervision.
• Good communication skills and team player is a must.

Duties and Responsibilities:

• Carry out and must practice company’s policies and core values.
• Maintenance of the building occupancies and the main facilities equipment such as:
  ❖ Building spaces and occupancies
  ❖ Electrical System (Main and Distribution)
  ❖ HVAC System
  ❖ Air Compressors
  ❖ Liquid Nitrogen Supply
  ❖ Emergency Power Generator
  ❖ Facilities Automated Monitoring System (Metasys)
  ❖ Acid Waste Neutralization System
  ❖ DI-RO Water System
  ❖ House Vacuum System
  ❖ Scrubber Exhaust System
  ❖ Process Cooling System
  ❖ Air Handling Unit and Fan Filter Units
  ❖ Alarm and TGO System
  ❖ Abatement Systems (Guardian Burn Box and CS Clean)
• Make safety a main priority for all personnel within work premises and occupancy spaces such as mandatory new hire employee safety training and visitor orientation, Emergency fire and earthquake evacuation, Gas release Lab evacuation, IIPP and report matrix, building and area access protocol, ETC.
• Coordinate maintenance and repair schedule for all facilities related equipment.
• Responsible for reporting daily facilities equipment operational status, including quarterly MTBF reports.
• Responsible for keeping records of the equipment maintenance and repair service and the cost, such as regular schedule and unscheduled time. Make recommendations for economic benefit and operational efficiency measures.
• Maintain adequate facilities equipment spare parts based upon the history repair log.
• Participate in Lab project planning to support facilities and EHS compliance requirements.
• Prepare and submit scope of work proposal to define project budgetary requirement.
• Coordinate with vendors and contractors for facilities related project implementation to make sure time table is being executed appropriately.
• Responsible for communicating to the Facilities Manager all irregular activities and practices that may affect the safety condition of facilities operation, such as but not limited to removing safety protection device without proper authorization from facilities management.
• Responsible also of monitoring the illegal storage of unauthorized chemicals or process materials in apps lab or within building premises. Refer to as the new chemical approval procedure and Hazmat storage capacity approved compliance permit.
• Implement Eugenus’s Emergency Response Contingency Plan and EMS policies and procedures.
• Responsible of Implementing Hazardous materials and Hazardous waste handling, storing and transporting protocols and regulatory policies and procedures.
• Familiarization of basic in-house operation’s regulatory permits requirements and applications.
• Take part on building emergency response and evacuation event 24/7, including the coordinated fire drill events.
• Coordinate ERT Hozwoper training certification, Medical Emergency Response training, respiratory fitness test and training, and maintain proper documentation.
• Coordinate and conduct safety training and/or orientation for new employees, visitors, vendors and contractors.
• Maintain ERT equipment and related supplies for readiness of emergency response.
• Perform other facilities and EHS task that may deem necessary to protect, support and maintain company’s operational well-being.

End.