

Job Description

Job Title: Lead Engineer
Function: Critical Operation
Reports to: Senior Critical Ops Manager
Location: Kulai Johore

SUMMARY

Our company is expanding, we are looking for a suitable candidate in Engineering profession (preferable in Electrical or Mechanical Engineering) to manage critical operation of our new Data Centre Campus that is currently under development in Johor Bahru, Malaysia. The Lead Engineer is responsible for management and administration of data center critical operations and leading a 24x7 engineering team with the objectives of safely, efficiently, and reliably operating, and maintaining the critical engineering infrastructure, systems, and equipment in a cost-effective manner. The Lead Engineer is a subject matter expert in one or more critical environment electrical/mechanicals systems, infrastructure, and operational practices and must ensure the highest level of professionalism, while meeting the customer's needs, and a commitment to achieving the goal of full uptime

Job Duties

1. Supervise and manage a team of shift engineers and technicians including priorities, shift staffing, training, personnel development, and performance reviews. Ensures that staff are properly trained and qualified for their assigned responsibilities and associated work in a critical environment, including full implementation and strict adherence to our Data Centre Policies, Standards and Processes.
2. Being the subject matter expert in Mechanical or Electrical engineering, candidate should have adequate hands-on experience to lead the engineering team in various engineering situations such as troubleshoot malfunction equipment, develop engineering rectification solutions, engineering risk assessment and analysis, incident root caused analysis, etc.
3. Responsible for management of the overall operation, maintenance, and modification of all critical environment building systems including: Mechanical (including ACMV, computer room air conditioners, chillers, and hydraulic system), Electrical (including HT switchgear, UPS, DC battery systems, PDU, HT generators and transfer switches), cabling (including data and voice, broad band), fire detection and suppression, life safety, lighting, building management systems, and detection systems (including fire alarm, duress, card access, CCTV). Also has strong skills and experience in raised floor critical operating environments and associated procedures and best practices.

4. Manage to ensure customer's service level agreement are in compliance at all time, the SLA covers such as incident escalate to customer within 15 minutes upon reported to monitoring centre, written incident report issue within 24 hours, etc.
5. Develops, reviews, and approves fit-out and maintenance Change Control Application. Ensure proper implementations of Change Control Application or work method statement including LOTO (log out/tag out) required under Change Management Workflow Process for assigned facilities and systems.
6. Discuss with Critical Operations Manager for an appropriate maintenance strategy of your assign facility. Implementation of maintenance plan and objectives into a documented plan that includes preventive, predictive and corrective maintenance procedures.
7. Develop MOP, SOP and ERP after reviewing and have in depth understanding of the critical system/facilities under his/her management, implementation after approval from Manager.
8. Identify safety hazards within the critical environment, report and liaise with HSE Manager to remediate of such hazards to ensure that our coworkers and customers work in a safe environment. Work safety is a key area of focus such as ensuring engineering team put on proper PPE while carrying out their works and comply with safety work rules. Work closely with HSE Manager to implement, administer, and manage the safety training program.
9. Ensure that compliance of all regulatory laws and guidelines are met as they relate to the operation of the building's infrastructure and including work deliveries. Responsible for alerting your reporting manager or senior management of any discrepancies.
10. Develop routine annual maintenance plans and capital plans which would include planning for infra-structure upgrades, equipment replacements and building modifications to ensure the building's future capabilities are maintained.
11. Provide technical input and support to facility projects and modifications, including construction support, commissioning, and final acceptance, as applicable.
12. Ensure all records and compliance documentation for all function operations are maintained and up to date, including building drawings and single-lines as well as documentation mandated for the purpose of maintaining regulatory compliance with State or Local law.
13. Oversee maintenance vendor work delivery with good workmanship and performance. Meeting the maintain vendor supervisor or manager periodically (at least twice a year) to review performance.

Doc. Ref.: Lead Engineer_JD_16112021

14. Ensure timely submission of relevant reports on agreed timing such as monthly basis as required under the requirement of our MSA with customer. Be familiar with our contracted SLA with customer and ensure full compliance at all times.
15. Through utilization of computerize maintenance management system (CMMS), the engineering team keep all records of facility inspection rounds and readings, all engineering logs and engineering data sheets.
16. Understands engineering design and operational aspects of the portfolio's critical facilities, systems, equipment, and occupying critical lines of business. Ensures system critical facility and system shortcomings are identified and perform risk mitigation.
17. Work requires strong formal conduct of operations skills, technical expertise, personal accountability, and flawless execution of work activities commensurate with a highly critical environment and associated expectations for exceptional customer satisfaction and confidence.
18. Must willing to operates after office hours and public holiday, 24 x 7 available on-call. Under emergency situation return to Data Centre to conduct fault investigation.

REQUIREMENTS

- Proficient in English through all mediums of communication. Ability to write and review good quality detailed work scripts, methods of procedure, and standard operating procedures. Prepare monthly service report and incident report.
- Good knowledge of all laws that govern building management and maintenance, including building safety, emergency evacuation and environment protection.
- Degree in Engineering (Mechanical or Electrical) with min. 10 years of relevant work experience preferable Data Centre environment or Hi-tech factory/plant (e.g. semi-conductor), inclusive minimum of 5 years supervisory experience. Candidate with other professional certificate has advantage.
- Good engineering knowledge with hands on experience and understanding of mission critical systems operations supporting data centre that include ACMV, Standby emergency power, uninterruptible power supplies, and associated infrastructure.
- Requires some knowledge of financial terms and principles, forecasting, and budget development.
- Proficient in computer applications and software, including commercial computerized maintenance management systems, work order management system, Microsoft Word, PowerPoint, and Excel

** The above-referenced position summary is a guideline designed to present an overview of job duties and is not intended to be a comprehensive list of responsibilities and requirements.