



## EQUIPMENT ENGINEER

### RESPONSIBILITIES

- Develop a complete understanding of equipment and support systems in assigned areas. Act as a trainer and certifier for maintenance technicians.
- Provide daily support to operations. Be aware of equipment status and priority. Monitor the direction and effectiveness of repairs and provide support as necessary to maintenance.
- Have a thorough knowledge of hazards and safety concerns for assigned areas. Identify and resolve equipment code, health and safety issues. Develop and review energy control procedures.
- Identify and implement improvements to equipment, maintenance programs and procedures. Maintain a Pareto of failure causes by frequency, cost, and downtime. Monitor trends in technical availability, TTRmax, MTTR and MTBF. Perform failure analysis of equipment and components. Develop and implement predictive maintenance methods. Make improvements to reduce unscheduled downtime and increase reliability of equipment.
- Develop and review preventative and planned maintenance requirements. Establish initial preventative maintenance tasks and schedules. Review PM's regularly for effectiveness. Identify and schedule planned maintenance activities. Develop

### REQUIREMENTS

- B. S. degree in engineering or equivalent.
- More than two (2) years related industry experience.
- Advanced knowledge, at a practicing level, in his / her chosen discipline.
- Ability to work well with others, facilitate work groups or teams, control and document work sessions and meetings.
- Ability to consider both short and long-term consequences of project implementation.
- Ability to deal with administrative as well as technical tasks.
- Ability to communicate across a variety of disciplines, groups, and levels.
- Experience in chemical supply and wet-cleaning systems is a plus.
- Written and oral communication skills in English.
- Ability to sit, stand, walk at will, communicate via telephone, & use the computer for various amounts of time throughout the day.
- Must be able to pass a drug screen (excluding marijuana) and background check.

## SILTRONIC AG

Siltronic is one of the world's largest manufacturers of hyperpure silicon wafers and partner of many leading semiconductor companies. The company employs around 4,000 people. The company has a network of state-of-the-art production sites in Asia, Europe and the USA. Siltronic develops and manufactures silicon wafers in diameters of up to 300mm. These are the basis for modern microelectronics and nanoelectronics.

### **Siltronic Corporation**

7200 N.W. Front Avenue | Portland, OR 97210-3676 USA

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E-Mail: [employment@siltronic.com](mailto:employment@siltronic.com)



procedures where necessary. Review and optimize spare parts requirements.

- Identify and implement cost reductions. Track and trend the technical spending for assigned equipment. Identify and implement ways to reduce repair costs, qualify alternative spare parts and to reduce consumption of utilities and consumables.
- Work with process technology to identify and resolve equipment related yield issues. Develop methods to assign causes to yield excursions. Identify key equipment parameters which cause variation and establish SPC for these.
- Analyze engineering problems in detail and provide complete design solutions.
- Prepare project proposals and request for funding. Organize, direct and control the efforts of an engineering project team. Prepare project specifications and scope of work by vendors, consultants, and contractors. Review and select vendors, consultants, and contractors. Monitor and control the execution of projects for cost schedule and performance. Provide regular project reports and forecasts.
- Provide complete documentation, P.M. schedules and spare parts lists in connection with each project.

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- Participate in special projects, cooperate with other team members and perform other duties as assigned. (secondary)
- Frequent work in clean rooms and areas where contamination is detrimental to product quality. (secondary)
- Work occasionally in hazardous areas involving potentially dangerous electrical power, chemical, and stored energy. (secondary)

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**Beginning**

**ASAP**

**Employment**

**Full-time**

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