



Example of Process Automation Engineer Job Description

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Our growing company is searching for experienced candidates for the position of process automation engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for process automation engineer

- Manage and execute instrumentation, process control and automation projects - focusing on project definition, detailed design, verification, construction and start up activities
- Lead activities involving system design, configuration, testing, cutover, and start-up
- Develop and work with Process Control Strategy Documents (PCSD)
- Responsible for characterizing system performance of automated Wafer Dual Beam (WDB) microscope system using statistical analysis, design of experiment (DOE) and statistical process control (SPC)
- Work with a variety of equipment including SEM, FIB, HVPS, vacuum, gas chemistry, detectors, optics, robots, electro-mechanical systems and pneumatics
- Own the commissioning and qualification process for process automation systems
- Analysis of process data and support of continuous improvement efforts
- Support of operations to optimize process performance
- Support the Shanghai greenfield site project IS & Automation stream to implement SAP/MES/Automation of the new plant
- Lead the engineering of control system architecture design, and the implementation, as required by the project assignment in conjunction with IT service

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- Labview / Labview Actor Framework
 - Windows System / Network Administration
 - Minimum of 2 years experience in of the following industries is required
 - Tier I engineering school, preferably chemical, mechanical, or materials
 - Works for well established, progressive company in the automotive, aerospace, or semiconductor industry with a strong work history (not a job hopper, 5- year's minimum in last manufacturing engineering role
 - Knowledge of Manufacturing Processes and the use of standard work in manufacturing