



## Staff Engineer Process Integration

### Job description

In your new role you will:

- To drive process improvement plan based on systematic analysis of inline/Electrical Test/yield data to meet quality and yield targets
- To own technology assigned and manage independently on process/inline/Electrical Test /yield issues to meet line yield target performance
- To execute technology transfers and/or product transfer/new product introduction from mother fab and release for mass production by ensuring process robustness and manufacturability
- To identify key process weaknesses and perform fine tuning on existing processes for continuous improvement to yield/quality/productivity and cost
- To work closely with process/equipment engineers to formulate and implement robust technical improvement solutions
- To use statistical knowledge (e.g. DOE, SPC) and systematic problem-solving techniques (e.g. 8D, 5 Whys) to determine root causes for low yield wafers/lots as well as developing containment/corrective/preventive action plans
- To work closely with Defect Density/process engineers to swiftly contain high Defect Density and inline excursions and find root causes and provide working solutions
- Lots' assessment & disposition to ensure quality of products delivered to customers meet required quality standards

### Profile

You are best equipped for this task if you have:

- PhD/Masters/Degree in Microelectronics/Electrical/Electronic Engineering or Science in Physics/Chemistry/Material Science or any related field
- Preference will be given to candidates with strong knowledge of semiconductor device physics (e.g. PN junction diode, MOSFET, BJTs etc.) And wafer fabrication techniques and processes (e.g. diffusion, ion implantation, etching, photolithography, film deposition etc.)
- At least 2-3 years relevant experience in semiconductor manufacturing and yield improvement. Experienced candidates may be considered for higher positions in relevance to their qualifications and expertise
- Fresh candidates will be considered for entry level positions only
- Good interpersonal and effective communication skills
- Good presentation skills with strong problem-solving skill
- Able to perform under a fast paced and challenging environment
- Willing to stretch extra miles to achieve overall organizational goals

### Benefits

### At a glance

Location: **Kulim (Malaysia)**  
Job ID: **363019**  
Start date: **Sep 01, 2022**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

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- **Kulim:** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International assignments; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working conditions; Holiday child care; Medical coverage; On-site social counselling and works doctor; Health promotion programs; On-site gym, jogging paths, beachvolleyball, tennis & soccer court; On-site canteen; Private insurance offers; Flexible transition into retirement

## Why Us

**Part of your life. Part of tomorrow.**

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

