

PR/161224 | Senior NPI Engineer

募集職種

人材紹介会社
ジェイ エイ シー リクルートメント マレーシア

求人ID
1618537

業種
電気・電子・半導体

雇用形態
正社員

勤務地
マレーシア

給与
経験考慮の上、応相談

更新日
2026年11月03日 09:00

応募必要条件

職務経験
3年以上

キャリアレベル
中途経験者レベル

英語レベル
流暢レベル

日本語レベル
無し

最終学歴
短大卒： 準学士号

現在のビザ
日本での就労許可は必要ありません

募集要項

A leading global semiconductor solutions provider is seeking a New Product Introduction (NPI) Engineer to join its manufacturing engineering team.
In this role, you will drive new product development activities from concept qualification through production release, ensuring smooth transfer into high-volume manufacturing. You will be responsible for process development, risk assessment, data analysis, and cross-functional coordination while supporting advanced semiconductor assembly technologies. Working closely with R&D, Operations, Quality, and Production teams, you will play a key role in optimizing manufacturing processes, improving product quality, and ensuring successful product launches.
The ideal candidate combines strong analytical capabilities with a passion for manufacturing technology and process improvement. You are detail-oriented, possess excellent problem-solving skills, and thrive in a fast-paced semiconductor manufacturing environment.

Key Responsibilities

- Lead New Product Introduction (NPI) activities from development through mass production ramp-up.
- Develop and establish manufacturing processes for new semiconductor products, ensuring smooth transfer to volume production.

- Conduct process risk assessments and develop evaluation plans using statistical and engineering methodologies.
- Execute characterization studies, process evaluations, and Design of Experiments (DOE) to determine optimal process conditions.
- Establish and maintain robust process controls using Statistical Process Control (SPC) techniques.
- Analyze process performance, yield trends, and sample build data to identify improvement opportunities.
- Compile technical reports and provide data-driven recommendations to internal stakeholders and customers.
- Support qualification activities and ensure all deliverables are completed within project timelines.
- Collaborate with cross-functional teams including Quality, Operations, Product Engineering, and R&D to resolve technical issues.
- Drive continuous improvement initiatives to enhance process capability, productivity, yield, and product reliability.
- Develop and maintain process documentation, work instructions, and engineering reports.
- Support troubleshooting and root cause investigations related to new product and process challenges.

Key Requirements

- Bachelor's Degree in Mechanical Engineering, Electrical Engineering, Materials Engineering, Manufacturing Engineering, or a related discipline.
- Basic understanding of semiconductor assembly, manufacturing processes, or process engineering principles.
- Knowledge of manufacturing process flows and defect mechanisms.
- Familiarity with Statistical Process Control (SPC), process monitoring, and basic data analysis techniques.
- Understanding of Design of Experiments (DOE) concepts and process optimization methodologies.
- Strong analytical and problem-solving skills with the ability to interpret engineering and production data.
- Good communication and interpersonal skills with the ability to work effectively across multiple functions.
- Ability to prepare technical reports, presentations, and engineering documentation.
- Proficiency in Microsoft Office applications, particularly Excel and PowerPoint.

Preferred Qualifications

- Experience or internship exposure in semiconductor assembly, manufacturing, process engineering, or related industries.
- Familiarity with semiconductor assembly processes such as dicing, die attach, wire bonding, molding, vacuum reflow, or related technologies.
- Knowledge of yield improvement, process characterization, and manufacturing quality systems.
- Exposure to statistical analysis tools such as Minitab, JMP, or equivalent.
- Experience supporting new product introduction or process transfer activities.

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会社説明