

Lieu: Sophia-Antipolis, France  
Employment type: Full time  
Contract type: permanent contract

**Ref: OP\_PROD\_ENG**

## PRODUCT ENGINEER

The Automotive industry is living a revolution. Electrification, autonomous driving, diverse mobility, connectivity are trends that are drastically changing the industry's rules. Among all decisive topics revolutionizing cars in the next future, Silicon Mobility is committed to support the rapid advent of electric and hybrid cars.

Silicon Mobility, an Intel company, is a technology leader for cleaner, safer, and smarter mobility. The company designs, develops and sells flexible, real-time, safe, and open semiconductor solutions for the automotive industry used to increase energy efficiency and reduce pollutant emissions while keeping passengers safe.

The Company is opening an "Product Engineer" position in its main Research and Development center ideally located in the Sophia-Antipolis Technology Park on the French Riviera.

You are a brilliant and passionate by electronics for Automotive Applications? You want to support the development of disruptive products accelerating the car's powertrain electrification? At Silicon Mobility, we like to light up our employee's potential. Are you up for the challenge? Contact us: send your resume and cover letter to [recruitment@silicon-mobility.com](mailto:recruitment@silicon-mobility.com)

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## ROLE & MISSIONS

As part of the Operations team, you will work on the OLEA FPCU products from NPI to industrialization. The Product Engineer position is central in the industrialization of new semiconductor products. The role focuses on ensuring industrial production and volume ramp-up using many disciplines, such as test engineering, IC validation, IC design, front-end process, packaging, planning and logistic, quality, marketing and manufacturing.

Primary responsibilities of the position include:

- Ensure industrial producibility during all stages of NPI and volume ramp-up.
- Reliability qualification according to AEC-Q100, IC characterization according to AEC-Q003.
- PPAP owner, provides manufacturing and quality documentation for manufacturing supply chain management and product control plan.
- Ensure compliance with the product datasheet and functional safety.
- Test program release for different milestones Proto, ES, production safe launch and high-volume phase.
- In-depth ATE test data analytics, test-limits and guard-banding.
- Safe launch and volume ramp-up including reduction of test stages, cost optimization.
- Support quality incidents and customer complaints.
- Drive strategic improvements and innovation projects.
- Main operational interface with OSAT and wafer foundry partners.

The position requires pro-active involvement with all departments of the company.



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## REQUIRED SKILLS AND EXPERIENCE

### *EDUCATION*

- MSc in electrical engineering or related technical field.

### *TECHNICAL SKILLS & EXPERIENCE*

- >5 years of experience in semiconductor product or test engineering, IC design, IC validation, package technology, quality engineering or equivalent in international environment.
- Experiences in new product introduction and/or volume ramp-up using PPAP methodology.
- Knowledge and experience of reliability qualification and IC characterization.
- Strong background in statistics, six sigma certification preferred.
- Knowledge and hands-on experience of complex data analytics, FMEA, dFMEA, Control Plan.
- Experiences using state of the art Semiconductor test data analytics tools.
- Experience in functional safety, ISO 26262.
- Experiences with IC validation (or similar) using lab bench equipment is a plus.
- Understanding of advanced semiconductor package technology is a plus.
- Understanding in wafer manufacturing process CMOS bulk, FDSOI, NVM process option.

### *LANGUAGE SKILLS*

- Proficient French professional level.
- Excellent in communication and reporting in English.
- Chinese or German language is a plus.

### *BEHAVIORAL SKILLS*

Furthermore, you are:

- A strong problem-solver with excellent analytical skills, quality-minded.
- Enthusiastic, team player, happy to work in international and growing start-up company.
- Showing strong sense of ownership and initiative, creative, rapid learner, cooperative.
- Willingness to travel: Europe, Asia, USA.
- Strong ability to adapt to different interlocutors and negotiate.
- Ability to have a wide scope and to keep the big picture.

