

Principal / Senior Engineer, Product Engineering, Technical Operations Management

Your tasks

- Collaborate with cross-functional teams (design, test, process, quality, manufacturing) to ensure successful product launch and manufacturability.
- Drive new product introduction (NPI) activities from tape-out to release and production ramp up for automotive-grade semiconductor products.
- Work closely with design team and test engineering to define test methodologies and strategies. Develop and optimize automated test equipment (ATE) test programs for coverage, quality and cost.
- Oversee engineering builds, pilot runs, and manufacturing readiness.
- Support product characterization, validation, and qualification activities to ensure product performance and compliance with automotive standards
- Analyse product test data, yield trend, and failure rate. Identify root causes and interface with Process Engineering and suppliers (Foundries, OSATs) for actions on yield enhancement and improve product quality.
- Support customer return analysis (RMA); work closely with design and failure analysis team to isolate issues for corrective actions implementation.

Your profile

- Degree in Electronics/Electrical Engineering (or relevant) with minimum seven years' working experience in semiconductor (e.g., process or product), or subcon management (e.g., Foundries or OSAT).
- Good knowledge in semiconductor manufacturing processes (e.g., wafer process technologies and package assembly), electronic testing (e.g., DFT, Test Hardware, Test Development) and automotive electronic qualification requirements (e.g., AEC-Q100/101).
- Preferable with strong technical proficiency in product engineering for semiconductor (e.g., ASIC, SOC, RF) which include DFT, ATE platforms and test development, NPI execution and yield enhancement.
- Strong problem-solving skills, results oriented and a quality-focused mindset.
- Good interpersonal and communication skills (e.g., Business English, Presentations) to interact with internal and external stakeholders.
- Team player with proactive attitude, able to work independently and travel.

Our offer

Ready to take your career to the next level and join us at the start of



Job ID
REF84276X

Field of work
Engineering

Location
Singapore

Leadership level
Leading Self

Job flexibility
Onsite Job

Legal Entity
**Continental Automotive
Singapore Pte. Ltd.**

something extraordinary? Apply now to become a part of AUMOVIO and drive the future mobility together with us!

About us

Continental's Automotive group sector is expected to be listed as independent company "AUMOVIO" in September 2025. With ~93,000 employees worldwide and annual sales of ~€20 billion, we are entering an exciting new era.

AUMOVIO stands for highly developed electronic products and modern mobility solutions. In addition to its strong market position with innovative sensor solutions, displays, and technologically leading braking and comfort systems, AUMOVIO has significant expertise in software, architecture platforms and assistance systems for the rapidly growing future market of software-defined and autonomous vehicles. Our purpose is clear: to make future mobility safe, exciting, connected, and autonomous.