

Location: Sophia-Antipolis, France
Employment type: Experienced Professional
Contract type: Permanent position

Ref: RD_SYS_ENG

EMBEDDED SYSTEM 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 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 "EMBEDDED SYSTEM 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 embedded system development 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 hr@silicon-mobility.com

ROLE & MISSIONS

As part of the System Engineering team, you will be in charge of the specification, development and validation of embedded system for the control and power management of the engine for Hybrid and Electric Vehicles.

Primary responsibilities of the position include:

- Requirement analysis
- Specifications writing
- Embedded system (HW/SW) development and validation
- Support of the target integration
- Customer support
- Quality handling

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

REQUIRED SKILLS AND EXPERIENCE

EDUCATION:

- Good university degree in embedded system engineering

TECHNICAL SKILLS & EXPERIENCE:

- A minimum of 2 years of experience in embedded system development.
- A strong expertise in C/C++ development for embedded system application.



- A good experience on ARM or other 32 bits RISC CPU environment
- A good knowledge of Matlab/Simulink
- A good understanding of the software quality processes (SPICE, CMMI, MISRA)
- Experience in board development
- A knowledge in VHDL or Verilog language
- ISO26262 knowledge and experience is a plus
- Understanding of electric machine is a plus
- Experienced on AUTOSAR is a plus

LANGUAGE SKILLS:

- Fluent in English
- German speaking is a plus

BEHAVIORAL SKILLS:

- Be self-motivated, pro-active, flexible and capable of accepting new challenges.
- Demonstrate strong communication skills at technical and management levels.
- Be able to work well across different teams within Silicon Mobility to understand their individual needs and constraints.

