



## Internship

Development of a Use Case Demonstrating the Control of an Electric Vehicle On-Board Charger (SM-STC007 / 2025)





## What we offer

SILICON MOBILITY SAS	
Company  The Automotive indust mobility, connectivity a decisive topics revoluti the rapid advent of election Mobility, an Interest Silicon Mobility, an Interest Company designs, a solutions named FPCU increase energy efficient The Company is looking (CAE) team based in Solif you are interested, pl	ry is living a revolution. Electrification, autonomous driving, diverse re trends that are drastically changing the industry's rules. Among all onizing cars in the next future, Silicon Mobility is committed to support
Offer ref. SM-STC 007-2024	
Subject – Offer title Development of an Elec	ctric Vehicle On-Board Charger Use Case Demonstration
Duration 5-6 months – between I	February/March/April and September 2025
Work hours 35 hours per week, job	location at Silicon Mobility office
Education Last year of Master (BA	C+5 or equivalent)
concept by developing Mobility's Adaptative Control dedicated to the control development to be used by the development to be used by the development to be used by the development to	ol Solution includes the Adaptive Control Unit (ACU) System-on-Chip ol of real-time automotive applications, the Adaptive Control Composer re design flow, and the Adaptive Control Lib (AC Lib), control model odel-based design.  eriod, several tasks will be addressed:
Profile required Engineer in power elect	tronics or embedded WS or control systems
Embedded software de Control algorithm deve Power electronic system Inverter and motor con CAN communication Electric Vehicles archite	lopment in MATLAB Simulink n trol application
Remuneration €1400/month + Tickets	Restaurant + Public transport

