**Position**

Model Based Tool Engineer

**Work Location**

Pisa, Italy

**Short summary**

In this role, you will be a versatile software engineer who can support the design, development and testing of tools for modeling and code generation of automotive firmware based on the AUTOSAR standard.

**Position Responsibilities**

- Design and development of Tools based on Eclipse technology to define the main elements of an AUTOSAR Classic toolchain, including but not limited to the AUTOSAR Classic RTE Generator, RTE Authoring Tool, BSW/MCAL Configurator.
- Development of Tools for model based design including a graphic editor, simulator, code generator, state machine simulator, integration with FMI.
- Directly report to the product managers.

**Position Requirements**

- PhD in Engineering / Computer Science
- Experience in software development for embedded systems (better if in the automotive or industrial domains)
- Good knowledge of the processes, methodologies, and the tools used in every phase of the design and validation of an application
- Experience in defining and performing unit tests and test automation scripts
- Experience with modeling languages such as UML, SysML or the Matlab/Simulink/Stateflow tools (or others)
- Excellent knowledge of the C programming language for embedded devices
- Excellent knowledge of the Java programming language and Eclipse framework
- Experience in writing Eclipse based plugins, using technologies such as (but not limited to): EMF, Acceleo, XText, QVT, EVL, Sirius
- Excellent collaboration and communication skills
- Good own initiative and self-organization skills, strong team-working attitude
- Good knowledge of English (both written and spoken) and availability to travel abroad

We offer a career development in a challenging and international work environment, a competitive salary package, access to cutting edge technologies and state of the art equipment.

[Type here]