

Job offer

HARDWARE OFFICER **INSPECTRAIL PROJECT**



The problem INSPECTRAIL is addressing is ignorance of the "state of health" of railway infrastructure. This lack of information means that railways, as the mainstay of sustainable mobility, are facing some major operational challenges: 24% of incidents lead to delays, and 60% are related to problems in the infrastructure.

[Go to the project](#)



Full-Time Post



Donostia-San Sebastián



Hybrid

Main functions

We are seeking a person to head up the design, development and maintenance of HW systems to monitor railway infrastructures.

The main functions will be as follows:

- Working with SW engineers to guarantee system integration and functionality.
- Develop, test and validate hardware prototypes.
- Manage the product's life cycle, from design to manufacture.
- Administer equipment certification and standardisation processes.
- Technology surveillance and competitive intelligence.

Profile

- Undergraduate Degree/Master's in Electronic Engineering, Embedded Systems or similar fields.
- Minimum experience of 3 years in integration of hardware systems/components.
- Knowledge of embedded systems and integration of complex systems.
- Knowledge of certification and standardisation processes.
- Programming languages: Python, C, C++.
- All-round knowledge of the Linux environment.
- Knowledge of communications networks.
- Knowledge of GNSS.
- Experience in acquisition and instrumentation systems.

**Interested?
Apply here, please**

Job offer

SOFTWARE OFFICER

INSPECTRAIL PROJECT



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Full-Time Post



Donostia-San Sebastián



Hybrid

Main functions

- We are seeking a person to head up the design, development and maintenance of a number of types of software (SW embedded in HW, cloud-deployed, data processing algorithms, database SW, and SW for data management and display)

The main functions will be as follows:

- Head up engineer and designer teams to define requirements and specifications.
- Work closely alongside the HW design team.
- Implement technical procedures for processing signals and algorithms.
- Take part in code reviews to guarantee the SW quality.
- Research and apply new technologies to foster continuous improvement. Technology surveillance and competitive intelligence.

Profile

- Undergraduate Degree/Master's in Engineering, Computer Sciences, or similar fields.
- Minimum experience of 3 years.
- Solid knowledge of programming languages Python, Java, and C++
- Experience with development and management of databases (Postgres, MySQL, InfluxDB).
- All-round knowledge of the Linux environment.
- Experience with version development and control tools such as Git.
- Knowledge of CI/CD tools.
- Experience with the AWS environment.
- Management of software containers such as Docker.

Interested?
Apply here, please