



Stage

Development of a simulator to emulate the accelerometer data in order to evaluate Shot Counter performances

Key information



Department: e-novation



Place of work placement: FN Herstal



Desired duration: 3-6 months



Desired level of education: Secondary Alternate Bachelor Master



Type of profile sought : Electrician Mechanic Electromechanic Electronic technician
Chemist Commercial study Computer scientist Other :

Department

Through its e-novation range (<http://fnovation.eu>), FN Herstal offers connected military accessories for infantry weapons, in particular hit counters (FN SmartCore®) as part of preventive maintenance solutions.

Description of the mission

The aim of the project is to develop a PC software for testing our shot counter. To do this, the student will integrate real hardware as well as an accelerometer simulator (based on FPGA) in order to replay in real time a scenario for the counter. Bluetooth Low Energy radio communication will be used to observe and record the state of the meter. To take this further, the student will be able to either create a graphical interface for the system or integrate his test suite into the Azure DevOps continuous integration system.

Your profile

- Student engineer in computer science or electronics, or student in computer science.
- Want to expand your knowledge of embedded and IoT platforms in a world-renowned company.
- Inventiveness and initiative.

Contact

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