



## Embedded hardware engineer at SODAQ

### Function Description

#### **Overview of job responsibilities:**

As an embedded hardware engineer you're responsible for designing embedded systems by yourself and also within a team. You will work closely together with the other embedded hardware, software and mechanical engineers. The main language spoken in our office is English and you will be required to have full proficiency on this. SODAQ is a relatively small company and you will be required to be flexible to quickly switch between tasks and work on multiple project simultaneously.

Your tasks will range from testing small and simple circuits/boards to designing complex innovative products for clients or for internal use (webshop, etc). This also includes create schematics, perform PCB layout, develop test plans, test and troubleshoot prototypes and produce manufacturing documentation.

You will need to have a good understanding and have experience with microcontrollers, analog and digital circuits and using these in a low-power setup.

#### **Requirements:**

- ~1 year of relevant experience (embedded systems)
- Bachelor degree in embedded system engineering (or similar)
- Experience with using Arduino (hardware & software)
- Experience with designing PCBs and schematic layouts
- Is able to build and test electronic prototypes
- Experience with soldering SMT components
- Experience with RF and antenna design is a bonus
- Has experience with designing low-power circuits
- Has experience with using lab equipment (oscilloscope, bench multimeter, etc)
- Can prepare and maintain technical documentation
- Create and perform test plans, document, and analyze results
- Has knowledge of and experience with programming in C/C++
- Is able to write simple software (sketches for Arduino) for testing the hardware and assisting the software engineer with small tasks
- Has some experience with creating files for Electronic Manufacturing Services (generating Bill of Materials, gerbers, etc)
- Professional proficient in English (speaking & writing), Dutch is a bonus
- Is able to work within a team and provide (and handle) constructive feedback during design reviews
- Open to learning new skills, using new tools and technologies