

# We are looking for a Embedded SW Engineer

## e•motionlabs

e-motionlabs is a Belgian technology company developing ground-breaking enabling technology to push the micromobility revolution with light electric vehicles.

We want to revolutionize the way we move around daily by unique safety, security and machine learning products for light electric vehicles.

To re-enforce its in-house IT development team, the Company is looking to hire a **Senior Embedded SW Engineer**.

## Your role

As Embedded SW Engineer you will be part of the R&D team, responsible for the development and improvement of the next-generation smart connectivity modules for electrical vehicles.

You will work on the continuous development and improvement of the firmware for the smart connectivity modules and play an active role in all lifecycle phases (from conception, through design, development to verification and validation) to make our smart connectivity solutions even smarter.

You will work on multiple features alongside the following road map:

- Integration of different e-vehicle interfaces (serial, CAN bus) to connect to motor controller and battery management system
- Integration of GPRS and Bluetooth connectivity
- Integration with the IoT cloud platform
- Remote diagnosis
- Anti-theft protection

An initial version for two separate customer projects shall be available in autumn 2019.

You will join a team of experienced hardware, firmware and software engineers. At the same time you will also work closely together with both hardware engineers and mobile app developers.

We apply an agile approach for the development to achieve continuous result driven deliveries in a timely manner.



## Requirements

- Your love for technology and its challenges is undivided and you are passionate about developing smart IoT solutions in embedded systems to contribute to mastering the 21<sup>st</sup> century's mobility challenges.
- You have strong, proven experience in the electronic product development (HW & SW) proven by your projects within the last 7 years.
- You hold a master degree in electronics engineering or the equivalent by experience.
- You are a great team worker and you can inspire & guide other team members
- You possess excellent technical communication skills
- You are an STm32 microcontroller expert and developed firmware for the MCU in successful projects in the past.
- You can write clean C and C++ code for embedded applications and you are familiar with object-oriented concepts.
- You have working & coding experience with BLE, GPRS and GPS.
- You worked successfully on low level & serial communication interfaces in successful projects (I2C, CAN bus, UART, USB, AT commands).
- You are familiar with network communication, including TCP/IP & MQTT.
- Your results are always well documented and tested to ensure the maximum product quality.
- You are not afraid to dive into hardware schematics to understand the hardware architecture.

## Management Requirements

- You can take the role as team leader and inspire your team colleagues to excel.
- You have experience in IT project management

## Soft Skills

- Spirit to work in a start-up environment
- Excellent technical communication skills
- Excellent teamwork competencies
- Sound analytical skills
- Service and customer oriented



## Language Skills

- We are operating in an international environment; hence a high English proficiency in speaking and writing is mandatory.  
Additional: fluent in Dutch, French or German, as an additional language is a plus.

## What we offer

- A work spot at Corda Campus – the leading tech campus in the Euregio – with plenty of facilities on site, the right vibes to get inspired and just outside the city of Hasselt making it easily accessible by car, public transport (a train station within walking distance with very frequent connections to all surrounding cities), and safe cycle and footpaths leading directly to the campus.
- The unique chance to become a key role player in a fast-growing, open-minded, respectful, culturally interesting company with a lean structure.
- Highly competitive salary package.

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## e♦motionlabs

Corda 1  
Kempische Steenweg 311 - 2.18  
📍 **Hasselt - Belgium**

+32 89 23 00 00  
[hello@e-motionlabs.co](mailto:hello@e-motionlabs.co)  
[www.e-motionlabs.co](http://www.e-motionlabs.co)

