

# Electronics Engineer

LOCATION  
**Tilburg / Remote**

TEAM  
**Research & Development**

EXPERIENCE  
**3-7 years**

DEGREE  
**Bachelor or Master**

JOB CATEGORY  
**Electronics Engineering**

## Introduction

Founded in 2018, BoostPhysics is a young ambitious tech company with Trailersync® being their brand. BoostPhysics is developing, producing and implementing the most innovative maneuvering aid for heavy commercial vehicles: Trailersync Sense®. The maneuvering technology is designed to increase safety of the fleet and reduce damage costs. This originates from our mission: making safety obvious by challenging the status quo. In addition, BoostPhysics developed Trailersync Track®: an innovative automotive asset tracking device. Together, BoostPhysics' products are making heavy commercial vehicles safe and connected. Since 2018 BoostPhysics is building the company and improving the technology from The Netherlands.

The team was expanded in 2022 with a fulltime Embedded Systems Engineer and a parttime Electronics Engineer. As we are accelerating towards launching our first products, we are ready for expanding our team.

## Job Mission

Your first mission is to focus primarily on the electronics engineering and secondarily on the embedded software development of BoostPhysics' main product, Trailersync Sense®.

Trailersync Sense® is an innovative maneuvering aid for heavy commercial vehicles and improves road safety. By utilizing the IoT-capabilities of the product, (big) data is used to analyze dangerous situations and further improve road safety. The yet to release and patented SensorGuard® technology forms a crucial part of the maneuvering aid, by which BoostPhysics believes it can become a market leader in this niche.

You will experience the journey that will take Trailersync Sense® from the current prototype towards a fully mature product, including SensorGuard® technology, which is launched with our early adopter customers. Next to electronics engineering, this journey will include testing in our lab, testing in the field, certification, production and rollout at our first customers. In other words, you have the opportunity to take full product ownership. The hard- and software engineers already working in our team like the huge and visible impact they make on the final products that will improve the lives of many customers and road users.



Your responsibilities include, but are not limited to:

- Translating functional requirements into technical requirements.
- Translating technical requirements into electrical design (schematic design).
- Translating electrical designs into a PCBA layout.
- Writing embedded software in C.
- Capture and document the technical process and specifications.
- Testing on performance and reliability.
- Review product requirements and check feasibility.
- Conducting field tests (with e.g. truck-trailer).

### Education and experience

We are looking for someone with a Bachelor or Master Degree (Electrical, Electronical, Electromechanical or Embedded Systems) and 3 to 7 years of relevant work experience within Electronics Engineering or Embedded Systems Engineering.

Furthermore, distinguishing qualities would be your experience or familiarity with:

- Hobby electronics projects at home.
- Altium.
- STM32 MCUs.
- PCBA prototyping (SMT/SMD soldering, de-soldering, SMT stencils, manual pick & place, reflow process).
- EMC.
- ESD-safe working.

We are looking for a full-time Electronics Engineer, however part-time job occupation could also be discussed.

### Personal Skills

- Entrepreneurial spirit.
- Good problem solving skills.
- Work smarter, not harder.
- Having the creativity and ability to propose original solutions.
- Must be able to read and interpret data, information and documents.
- Flourish in an environment with a high degree of freedom and independency.

### What you'll get in return

We offer you a role within a proud Brabant technical company with tremendous potential and growth opportunities. From the modern office, located in the heart of the city, people work side by side with each other and have a high level of involvement within the organization and the quality delivered. BoostPhysics embraces creative ideas and initiatives to develop new, successful products and/or trademarks. You will be offered competitive primary and secondary benefits, including 38 vacation days per year (based on a 40 hour work week).

### Interested?

If you are interested, we invite you to send an up-to-date CV to [info@trailersync.eu](mailto:info@trailersync.eu). For more information about this position, please contact us through this email address as well.