



Camco Technologies – RTLS Architect / Senior Developer From road to vessel

About Camco Technologies

Camco Technologies operates worldwide in the automation of container terminals and ports. Our high-tech installations are deployed at terminals across all continents.

To support our continued growth, we are looking for an RTLS Architect/Senior Developer who is happy to work on technically challenging projects

Role and profile

As an **RTLS Architect / Senior Developer** you play a key role in the further development of our RTLS solutions. You combine software architecture with hands-on development and help determine how our solutions are technically designed and how they evolve.

You are responsible for a consistent software architecture and translate new requirements, use cases and technical challenges into robust and maintainable solutions. At the same time, you stay close to the code and actively contribute to the implementation in **C++ and Python**.

You work on positioning algorithms, filtering and technologies such as **UWB and GNSS**. You investigate new technical solutions and substantiate architectural choices by designing test strategies and experiments. You analyse and characterise system performance and systematically identify the root cause of technical or field issues.

You work closely with a small team of experienced developers, hardware engineers, internal stakeholders and field technicians. Thanks to these short communication lines, you see first-hand what happens in practice and the impact your technical choices have on the product.

In addition, you take on a technical leadership role within the development team. You support planning, delegate tasks, monitor developments and safeguard technical consistency. You document key decisions and continuously look for ways to make solutions simpler, more robust and easier to maintain.

Profile

You are an experienced software engineer who likes to look beyond implementation alone. You can analyse and abstract a technical problem and translate it into a well-considered architecture, while being equally comfortable writing code yourself or setting up an experiment to validate your solution.

You have at least **5 years of experience with C++ and/or Python** and at least **3 years of experience with software architecture**. Experience with embedded devices is important. Experience with **RTLS, localisation or positioning systems** is directly relevant to the role.

You are comfortable working in an environment where software, hardware, algorithms and the physical world come together.

Technical requirements

- Very good knowledge of **C++ and Python**
- Experience with **software architecture** and software design
- Experience with **embedded devices and embedded software**
- Experience with or good knowledge of **RTLS systems**
- Knowledge of **UWB and GNSS/GPS**
- Strong foundation in **mathematics, algorithms and filtering**
- Experience with **algorithm design**
- Basic knowledge of electronics and sufficient insight to collaborate effectively with hardware engineers
- Experience in designing **test strategies and experiments**
- Ability to measure, analyse and characterise system performance

Personal qualities

You are a **critical but rational thinker**. You do not simply accept assumptions, you ask focused questions and substantiate technical decisions with arguments, data and experiments.

You enjoy getting to the bottom of complex problems without losing sight of simplicity and maintainability. You work in a structured way, pay attention to detail and take ownership of technical problems.

Because you collaborate across different disciplines, you can communicate technical ideas and decisions clearly. You also thrive in a small, highly skilled team where colleagues challenge each other on technical matters.

You naturally take responsibility and are able to provide technical leadership to a small development team, delegate tasks and monitor progress.

Mobility and travel

This position is based 100% at our headquarters in Leuven.

Education

Master of Science in Engineering or Master of Science in Engineering Technology, with a sufficient mathematical background.

What do we offer you?

a role with significant technical responsibility, direct impact on the product, close collaboration with hardware and field teams, and room to work both architecturally and hands-on.