Embedded Software Design Engineer for GNSS Receivers

Permanent contract

Syntony GNSS is a human-sized company with an international dimension, based in Toulouse and labeled **FrenchTech,** specializing in **satellite navigation systems** (GNSS). Since our recent integration into the **Safran Group**, we have entered a new phase of growth that combines the agility and innovative spirit of an SME with the solidity and global reach of a major industrial leader. Together, we are helping to shape the future of resilient NWP technologies.

Our ambition: To provide our customers with relevant, innovative, reliable and robust solutions.

World leaders in radio navigation and embedded systems, we are present in fast-growing markets, such as aeronautics, space, road and rail transport, mining and IoT (Internet of Things). We have developed a range of products (simulators, receivers, indoor/outdoor location systems) that meet the growing needs of these industries.

Keysight, Airbus, Airbus Constellation, Hitachi Rail, Thales Alenia Space, Honeywell, Rockwell, MDA, or the Stockholm, New York and Toronto metros... So many partners who trust us and push us to always go further.

With passion, we constantly evolve our solutions to anticipate their needs and perfect our know-how.

At Syntony, we offer a pleasant and stimulating work environment, where the quality of life at work and the availability of our employees promote fulfillment and collaboration. Intellectual stimulation is omnipresent through innovative and varied projects.

We work on a variety of subjects, ranging from aeronautics to space, transport, mining and the environment.

Thus, Syntony vibrates around three fundamental values:

Benevolence:

Together, we cultivate listening, respect and empathy in our interactions, while also valuing the multiculturalism that enriches our exchanges.

We contribute to a positive environment where everyone feels valued and supported. We enrich each other by building strong relationships, both internally and externally.

Excellence:

Together, we strive for excellence in everything we do. Through our commitment, our high standards and our sense of responsibility, we guarantee quality, efficiency and performance. It is through our collective rigour that we meet challenges and provide sustainable solutions.

Adaptability:

Together, we are flexible in the face of the changes around us.

By combining creativity, collaboration and resilience, we find innovative solutions and move forward efficiently. Our agility allows us to evolve in line with our environment.

Join us and grow in a caring environment where your ideas take flight and your contributions strengthen the company's synergy.

The Context

As part of our recent integration into the **Safran Group**, our business is taking on a new dimension. Indeed, this integration allows us to significantly expand and enrich our product range, while benefiting from new synergies and development prospects.

It is in this context of growth and renewed ambition that we are looking for **an Embedded Software Design Engineer** to strengthen our Engineering Department and support the development of our product lines, in parallel with the management of strategic and ambitious projects.

What you'll accomplish with Syntony GNSS

You will join the software development department for the receiver product range to develop innovative applications for the rail, space, aeronautics or defense sectors requiring high-level performance for demanding environments.

The missions that will be entrusted to you

- You will evaluate the different technologies and tools necessary for the development of new software architectures
- You will participate in the software architecture and software and system technology choices
- You participate in the drafting of system and software specifications and in all phases of the receiver's development;
- In partnership with system experts and hardware experts, you define the most efficient software implementation;
- You participate in the integration of the development of the function into the system and then on the hardware platform;
- You will respect the various development and quality assurance processes.

The technical skills we are looking for

- C/C++ coding in an embedded context;
- Knowledge of development environments such as Git, Gitlab;
- Knowledge of the following operating systems: Linux, RTOS (PikeOs, etc.) or Bare Metal development;
- Experience in the field of GNSS is a plus.

About you

With a bac+5 degree in embedded systems, electronics or computer science, you have a strong appetite for technological challenges and have a minimum of 5 years' experience in the development of embedded software. You want to work in an international environment and have a good command of English. Methodical and organized, your open-mindedness, your taste for teamwork and your creativity will be the assets necessary for the success of your missions.

You want to actively contribute to **innovative and ambitious projects** within a large group like **Safran**, while working in a human-sized environment where your impact is real and visible while developing your skills in a demanding context of operational safety.

Do you recognize yourself in this description? Apply and join a company that promotes innovation in the development of its unique products to design the products of tomorrow, dynamism and open-mindedness in listening to and respecting its customers and employees.

Why join us?

- Benefit from the solidity and prospects of a large group like Safran, while evolving in a human-sized environment where your impact is real and visible.
- Joining a company where innovation, high standards and benevolence guide our projects and decisions.
- Grow in a learning and stimulating environment, alongside passionate teams, on various projects with an international dimension.

Ready to get on board with us? 🚀 ✨ Send us your CV and a short letter or a few lines about your motivation under the reference ENG-659-FR to jobs@syntony.fr or apply directly from the career page of our website.