Embedded Receiver Software Development Engineer

Permanent position based in Toulouse

Recognized throughout the world, Syntony GNSS is a Toulouse-based brand, labeled FrenchTech, focused on technological innovation in the field of GNSS.

Our goal? Pushing the limits!

Specializing in radio navigation and embedded systems, we are the world leaders in our field and present in many high-growth markets.
We have developed a range of products (simulators, receivers, and indoor/outdoor location systems) that meet the growing needs of the aeronautics and space industries, but also those of public transport, rail and mining, or the rise of IoT (Internet Of Things).

Our esteemed customer base, made up of industry giants (such as Airbus, OneWeb, Airbus Safran Launchers, Thales Alenia Space, Honeywell, Rockwell, Stockholm, New York, Toronto, and many others...), testifies to our relentless pursuit of excellence and innovation. Our solutions are constantly evolving to anticipate their future needs, strengthen our leadership, and meet new challenges.

Thus, Syntony GNSS vibrates around three fundamental values:

- **Innovation as a guide**, to design the products and tools of tomorrow, in line with the real and evolving needs of our customers
- **The dynamism of our teams**, to adapt our strengths and talent to the quality of our solutions
- **Open-mindedness and inclusion**, to remain attentive to our customers, partners, and collaborators, to promote Humanism, equality, and the richness of multiculturalism.

From students to qualifié.es professionals, help shape the future of boating with us. Work with experts, in a caring environment where your ideas can fly and your contributions fuel the synergy of the company.

In an international dimension, you participate in the challenges of today and tomorrow.

The Context

Simulation products and GNSS receivers are experiencing an acceleration in their development. Syntony GNSS recently formed a partnership with a leading manufacturer of RF test solutions, [Keysight Technologies](#). The European Space Agency (ESA) has selected Syntony to provide user demonstration receivers for the [LEO-PNT project.](#) As a member of the consortium led by Thales Alenia Space, Syntony will play a key role in advancing global navigation technologies.

What you will accomplish with Syntony GNSS:

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

The missions that will be entrusted to you:

- 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. Your open-mindedness, your taste for teamwork, and your creativity will be the assets necessary for the success of your missions.

You want to move towards technical expertise by 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.