



# Embedded Receiver Software Development Engineer

Permanent position based in Toulouse

**Syntony GNSS** is a human-sized company with an international dimension, based in Toulouse and with the **FrenchTech label**, specializing in **Global** Navigation Satellite Systems (GNSS).

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.

From students to professionals qualified, help develop future navigation solutions in partnership with our team of experts. Evolve in a caring environment where your ideas take flight and your contributions strengthen the synergy of the company.

Internationally, we meet the challenges of today and tomorrow, supporting our customers throughout the entire process: from the initial vision to development, to delivery and the collection of their satisfaction.

# The Context

Test and Measurement products (Simulation, Recording/Replay) 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. Syntony is also involved in several projects to embed our solutions on satellites (Earth observation or space debris location).

## 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, telecommunications or computer science, you have a strong appetite for technological challenges and have a minimum of 3 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.

Ready to embark with us to shape the future of sailing? 🚀 ✨ Send us your CV under the reference ENG-644-FR to [jobs@syntony.fr](mailto:jobs@syntony.fr)

Or apply directly from [the career page of our website](#).

See you soon at **Syntony GNSS** !