

Mission Engineer HW – FW confirmed

1 Introduction

Recognized worldwide, Syntony GNSS is a Toulouse-based company with the FrenchTech label, focused on technological innovation in the GNSS field.

Our goal? Pushing back the boundaries!

Specialized in radionavigation and embedded systems, we are world leaders in our field, and are present in several high-growth markets.

We have developed a range of cutting-edge products (simulators, receivers and indoor/outdoor positioning systems) to meet the growing needs of the aeronautics and space industries, as well as those of the public transport, rail and mining sectors, and the expanding IoT (Internet Of Things) sector.

Our esteemed clientele of industry giants (such as Airbus, OneWeb, Airbus Safran Launchers, Thales Alenia Space, Honeywell, Rockwell, the Stockholm, New York and Toronto metros and many others) is proof of our constant pursuit of excellence and innovation. Our solutions are constantly evolving to anticipate future needs, but also to strengthen our leadership and meet new challenges.

As a result, Syntony GNSS vibrates around three fundamental values:

- Innovation as a guide, to design tomorrow's products and tools, in line with our customers' real and evolving needs.
- The dynamism of our teams, to adapt our strength and talent to the quality of our solutions.
- Open-mindedness and inclusion, so that we can listen to our customers, partners and employees, and promote humanism, equality and the richness of multiculturalism.

From students to qualified professionals, help us to shape the future of navigation. Work alongside experts, in a friendly environment where your ideas can flourish, and your contributions fuel the company's synergy.

With an international dimension, you'll be part of the challenges of today and tomorrow.

2 – Context of the mission

SYNTONY continues to grow in the field of GNSS receivers. An ambitious product plan is defined on 3 axes:

- A multi-frequency GNSS SDR receiver for applications requiring high performance in terms of: accuracy, resistance to interference and decoy
- A receiver dedicated to IOT applications: combining a patented design with very low power consumption
- A unique confined environment location system (called SubWAVE)

In this context, you will join the team dedicated to the SubWAVE product - which works in synergy with Syntony's other products - with the objective of industrializing the product to allow it to be deployed on a large scale.

3 – Objectives

The mission includes:

- Development and study of analog, digital, and radio frequency electronic systems and boards
- Choice of components, study, and entry of drawings
- FPGA Design & Development
- Drafting of technical files (including definition files) according to ISO 9001 quality standards
- System Integration
- Pro-active participation in the development of skills and know-how

4 – Experience

Graduated with a Bac +5 equivalent or PhD, you have completed at least a 6-month internship in companies on practical subjects, and/or 1 or 2 years of active experience in hardware and firmware development of projects/products implementing complex architectures.

Passionate about design, you have a good culture of new technologies.

5 – Technical skills

You have knowledge of the development of electronic systems and boards, and are passionate about cutting-edge technologies and technical challenges.

And you have skills in the following areas:

- Analog Electronics
- Radiofrequency
- Electromagnetic Compatibility
- Digital Electronic Design and Development
- Writing technical and validation reports
- Drafting of technical definition files
- Experience in FPGA specification, design, development, and verification is a plus

Knowledge of GNSS is appreciated

Fluency in English is required

6- Soft skills

- With a strong appetite for technological challenges, you know how to share your passion
- You know how to argue and convince with a common goal: customer satisfaction and product success
- Good listening and open-mindedness characterize you

Interested? Send your application to jobs@syntony.fr!