



GNSS Expert Engineer Product Manager

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, etc.).

What you'll accomplish with Syntony GNSS

You will join the Engineering department to develop innovative solutions for SYNTONY GNSS receiver products that address the rail, space or aeronautics sector requiring high performance for demanding environments.

In relation to the Director of Engineering, you are responsible for defining the system, functionalities and performance of a product to achieve the expected objectives.

You will participate in and support the development of innovative technical solutions from the study and design phase to their validation and deployment.

Your first missions within SYNTONY will be carried out as part of the development and improvement of one of the receiving products.

The missions that will be entrusted to you

- Meet product requirements at the required level (compliance, traceability, verification)
- Analyze the requirements and constraints that the product must meet
- Plan and supervise the various professions involved in the development of the roadmap.
- Carry out the modeling studies necessary for the development of the solution
- Supervise the specification phase necessary for development
- Validate the GNSS Receiver Feature Qualification Strategy
- Analyze results to validate specified requirements
- Contribute to the technological watch in a continuous improvement approach
- Ensure recognition of product excellence by the technical community. (Conference, demonstration, etc.)
- Identify and respond to innovation programs to finance future developments

The technical skills we are looking for

- Mastery of GNSS technology applied to the receiver (RF, signal processing, etc.)
- Knowledge of CRPA techniques and antenna processing (Beamforming, NullSteering, ...)
- Experience with business modeling languages (Matlab)
- Possible experience in programming languages (C/C++, Python, ...)
- Experience with testing, validation and calibration processes and tools (GNSS signal generators, GNSS and CRPA receivers, spectrum analyzer)
- Experience with system analysis, evaluation, optimization and modeling techniques
- Publication in technical journals or at conferences

About you

With a Bac+5 degree in signal processing or telecommunications, holder of a thesis in the field of satellite positioning systems or related technologies, you have at least 5 years' experience in the study and development of systems or subsystems in similar fields (GNSS, Radar, Digital Communication). You want to work in an international environment and have a good command of English.

Beyond your technical expertise, we are looking for a passionate person who is able to unite the teams around a clear vision of the development of the solution and the objectives of the project.

With a spirit of analysis and synthesis, you know how to take a step back to identify key issues and propose appropriate solutions. Pedagogue and a good listener, you know how to share your knowledge and support your colleagues to increase their skills, while facilitating collaboration between the various stakeholders (technical teams, project managers, customers). Your open-mindedness, your taste for teamwork and your creativity will also be major assets to the success of your missions.



Ready to get on board with us? 🚀 ✨ Send us your CV under the reference ENG-641-EN to jobs@syntony.fr

Or apply on the career page of our website [Shaping the future of Navigation - Syntony GNSS](#)