



Software Developer Integrative Engineer

SYNTONY

Syntony is an international start-up deploying its satellite geolocation systems worldwide, leading in its field. We offer high-tech products designed and developed by GNSS experts who have been passionate about their business for over 10 years.

They chose us: Stockholm Metro and New York City Transit, LTA (Singapore), Munich Metro, Airbus, OneWeb, Airbus Safran Launchers, Thales Alenia Space, Honeywell among others.

In order to expand our international reach, we recruit talents with a strong appetite for technical surpassing, international travel and interculturality.

MISSION

You join the geolocation product integration team under the responsibility of the project manager. You are in charge of product integration across all domains (Electronics/Computer Science/RF) with a goal of optimization and performance. You are also involved in developing with our team the graphical tools and interfaces for testing, installation and maintenance. You develop a global vision of the system and contribute to the improvement process.

Your missions will be:

- Collect and formalize all of the system's requirements from the various stakeholders.
- Establish a system architecture
- Adapt subsystem interfaces where appropriate
- Develop software features to optimize integration
- Integrating on-site subsystems, hardware and software
- Develop test plans and operational system validation scenarios
- Check the operation of the system on an integration bench and then in the laboratory
- Participate in on-site installation, and setting up
- Conduct analyses for system calibration (spread balance, noise signal level) based on initial acquisitions
- Writing technical performance reports, validation
- Validate features and performance in real-world environments
- Participate in deployments of new features as a case-by-case
- Contribute to the definition of changes in the product plan

This is a position in which you will participate in the integration and software development of our products.



Skillsrequired	Training / Experience
Design and architecture of embedded systems Electronics: understanding electronic and embedded systems	Engineering degree in Electronics/Computer Science 2 years of experience in electronics/signal processing and software development
Software development Mastery of Language C, C Development environment: CCG, Qt	HW/SW system integration experience implementing Radio Frequencys
Signal processing	
Analysis tool: spectrum analyzer	
Operating system: Linux, Android, Windows	
English profining and good English/French writing skills	

Specificity of the position: permanent contract, full-time, based in Toulouse. Many movements around the world.