



## Software Developer Integrator engineer

### SYNTONY

Syntony is a young international company deploying its satellite tracking systems worldwide, leading on its field. We offer high-tech products designed and developed by GNSS experts passionate about their trade, for more than 10 years.

They chose us: Metro from Stockholm and New York City transit, LTA (Singapore), Metro from Munich, Airbus, OneWeb, Airbus SAFRAN launchers, Thales Alenia Space, Honeywell among others.

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

### MISSION

You integrate the geo-localization product integration team under the responsibility of the project manager. You are in charge of integrating the product across all domains (electronics/computing/RF) with a goal of optimization and performance. You also have to develop with our team the tools and graphical interfaces of testing, installation and maintenance. You develop a global vision of the system and contribute to the improvement process.

Your missions will be:

- To collect and formalize all the requirements of the system with the different stakeholders.
- Establish a System architecture
- If necessary, adapt the interfaces of the subsystems
- Develop software features to optimize integration
- Integrate on-premise subsystems, hardware and software
- Develop test plans and operational system validation scenarios
- V check on the integration bench and then in the laboratory the operation of the System
- Participate in on-premise installation, and Setup
- Conduct analyses for system calibration (propagation balance, signal-to-noise level) according to the first acquisitions carried out
- Drafting of technical performance and validation reports
- Validate features and performance in real-world environments
- Participate in deployments of the new features according to the cases
- 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.



### Skills required

Embedded system design and architecture

Electronics: understanding of electronic and embedded systems

Software development

C language mastery, C++

Development environment: GCC, Qt

Signal processing

Analysis tool: Spectrum Analyzer

Operating system: Linux, Android, Windows

Proficiency in English and good editorial skills English/French

### Training/experience

Diploma in electronics/computer engineering

2 years' experience in electronics/signal processing and software development

HW/SW system integration experience implementing radio frequencies

Position specificity: CDI, full-time, based in Paris. Many Movements worldwide.