



At SkyfloX we work on a disruptive idea: to use airliner fleets for Earth observation and telecommunications. Every day we tackle unique engineering, legal, and commercial challenges with a geographically dispersed and international team of experts.

We are looking for self-driven, internationally oriented, team players with a passion for aerospace, who can deliver exceptional results to contribute to our mission of better understanding our planet with airliner fleets.

JOB OPENING

Earth Observation Engineer

About SkyfloX

SkyfloX is a high-tech aerospace start-up, 'spinned-off' from the European Space Agency (ESA). We develop the patented concept ORCA, using civil passenger and cargo aircraft for Earth observation. By retrofitting commercial airliners with our certified remote sensing equipment, we collect high-value geospatial data from the surface of the Earth, while we allow the airliner to extract additional value from their fleet.

SkyfloX is the Prime Contractor of a multi-million euro pilot deployment project together with major airlines and aerospace partners, co-funded by ESA, which will see the first airliners retrofitted early 2021.

Description

As Earth Observation Engineer you will be involved in the development of the ORCA constellation ground segment and will be in charge of its operations, as well as in the development and quality control of unique Earth Observation products that leverage the unique competitive advantages of ORCA (ultra-high revisit, high resolution data) working together with an international team of experts in the areas of optics, computing, integration, manufacturing, and certification, while closely interfacing with some of the world's largest geospatial data end-users.

Our ideal candidate can link their knowledge of geospatial data production, processing, and downstream applications to the dimensioning of the various ground segment systems.

Responsibilities

1. Work directly with a multitude of international aerospace engineering teams
2. Direct SkyfloX activities associated with implementation, operation, or enhancement of hardware and software required to collect/process/store/distribute data acquired from the ORCA constellation

3. Technical management of related contracted/outsourced activities
4. Design or implement strategies for collection, analysis, or display of geographic data
5. Organize and maintain geospatial data and associated documentation
6. Develop or build databases for remote sensing or related geospatial project information
7. Develop automated procedures for data processing and handling
8. Quality control of remote sensing data collection operations to determine if procedural or equipment changes are required
9. Integrate/fuse other geospatial data sources (satellites/airborne/in-situ) with ORCA data (e.g. visible/thermal or visible/SAR combinations) and derive commercial products
10. Recommend new remote sensing hardware or software acquisitions. Support payload design efforts and trades, specifically in the areas of optics and on-board computing/processing performance
11. Support technical project management and reporting

Preferred Qualifications

1. MS in remote sensing or geosciences, or other relevant scientific/engineering field
2. Relevant experience in remote sensing, image processing, mapping and/or cartography
3. Additional knowledge/experience in scientific computing (e.g. Python, (Arc/Q)GIS, C/C++ in a Unix/Linux environment) are considered a strong plus
4. Can-do attitude, self-driven, great interpersonal skills, ability to cooperate with large geographically dispersed team of experts
5. Experience with machine learning and statistics is a plus

Principal Job Location: Belval, Luxembourg

Languages: English

Job type: Full Time (40h/week)

Start Date: Q3 2020

Duration: 1 year contract, extendable

Salary: Competitive package in line with experience

Ready for this new challenge? Apply now and let's get in touch!

Please send your CV and 1-page cover letter to careers@skyflox.eu

Please note that by sharing your information you consent to SkyfloX to store and process your personal data for the purpose of this application and until this position is filled. Please see our [Privacy Policy](#) for more information.