



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 Ground Segment 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 Ground segment Engineer you will be involved in the development of the ORCA constellation ground segment and will be in charge of its security, 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). You will work together with an international team of experts in the areas of optics, electronics/computing, integration, manufacturing, and certification, while interfacing with some of the world's largest geospatial data end-users.

Responsibilities

1. Definition, implementation and validation of the ORCA ground segment and mission control centre
2. Technical management of related contracted/outsourced activities
3. Design or implement strategies for collection, analysis, or display of geographic data
4. Organize and maintain archives of geospatial data and associated documentation
5. Develop or build databases for remote sensing or related geospatial project information
6. Develop automated procedures for data processing and handling

7. Quality control of remote sensing data collection operations to determine if procedural or equipment changes are required
8. Support payload design efforts and trades, specifically in the areas of optics and on-board computing/processing performance
9. Support technical project management and reporting

Preferred Qualifications

1. MSc in computer science, telecommunications, aerospace, geomatics, or other relevant scientific/engineering field
2. Relevant experience in the design and development of ground segments for Earth Observation (satellite or aerial) systems
3. Knowledge/experience in scientific computing (e.g. Python, (Arc/Q)GIS, C/C++ in a Unix/Linux environment) are considered a strong plus
4. Relevant knowledge/experience in operations security (OPSEC)/cyber security is considered a strong plus
5. Experience in remote sensing, image processing, mapping and/or cartography is considered a strong plus
6. Experience with machine learning and statistics is a plus
7. Can-do attitude, self-driven, great interpersonal skills, ability to cooperate with large geographically dispersed team of experts

Principal Job Location: Belval, Luxembourg

Languages: English

Job type: Full Time (40h/week)

Start Date: As soon as possible

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.