OHB Sweden is the largest Swedish satellite manufacturer and looks back to over 30 years of space heritage. OHB Sweden has been responsible for all national Swedish missions since the 1980's and was also the prime of the only ESA mission which went to the Moon (SMART-1).

OHB Sweden is an end-to-end provider of space systems and develops, builds, tests, and operates satellites for different kinds of space missions within communications, Earth observation, space research, and exploration. OHB Sweden has developed specific expertise in AOCS sub-systems and was a pioneer in autonomous rendezvous and formation flying thanks to the Prisma program. As a Propulsion sub-system provider OHB Sweden serves all key players of the European Space industry and counts as one of the leaders in Europe in this field. In all domains, OHB Sweden is active in the European and Swedish institutional markets as well as in the commercial market.

The headquarters of OHB Sweden in Kista is home to around 90 highly qualified employees. We see ourselves as an agile and innovative team for which the competence, enthusiasm, and dedication of each team member is a key asset.

OHB Sweden is a member of the OHB SE Group (ISIN: DE0005936124, Prime Standard) which currently employs over 3000 people and is the 3rd largest Space company in Europe.

We are now looking for an enthusiastic and dedicated

Spacecraft Avionics and RF Engineer

All of our satellite projects involve a very broad range of expertise, covering for example design, mechanical analysis, software, operations, radiation, EMC, electrical, thermal, testing, and integration. This requires a broad and flexible skill set for all those working at OHB Sweden. With this in mind, we are looking for a skilled electrical engineer, who has exposure and familiarity to telecommunication and mechanical aspects as well.

The RF Avionics engineer is expected to be able to not only perform system level design activities (Telemetry Tracking and Control subsystem), bound by our customer's design and interface requirements, but is also able to follow this design through all the stages of specification, procurement, functional testing and eventually delivery to the final flight program. Naturally, all of these steps require close interactions with the other experts in house covering the other areas of engineering listed above.

The work is mostly executed in a typical office environments, but the hardware is handled in our own clean rooms, electrical labs, and environmental labs. So being comfortable in a typical engineering office/project environment, whilst also being comfortable in a lab environment, is very important.

We are looking for a team-player, learning quickly, providing technical advice to team members, as well has having the ability to work autonomously. The RF avionics Engineer will work in close cooperation with system, mechanical, thermal and AIT engineers. Capability for problem solving and initiative are necessary as well as the ability to work in a pragmatic way focusing on finding the right level of quality and to deliver on time.

Tasks breakdown can be summarized roughly as:

- Design and system engineering in the areas of RF, Data Handling, Signal Processing and related applications. This is referred to as Tracking, Telemetry and Command.
- Defining and designing test procedures, setups, documenting (drawings, schematics) with rather open initial definitions.
- Support ongoing projects in the engineering, including creating procedures, procuring hardware, integrating the test, executing the test and documenting the results.
- Support future programs and projects with planning and budgeting for the purpose of proposals.
- Design assembly and test of electrical ground support equipment (EGSE).
- Be able to provide clear and coherent reporting and presentations in the English language

Required qualifications:

- As a minimum, Bachelor's or Master's Degree in Electrical Engineering or related disciplines
- At least 3 years of experience in a design and testing environment related to telecommunications
- Experience in high-speed data transfer techniques design and implementation, or other high-speed digital communications
- The ability to generate, read and understand electrical schematics and datasheets, and have a good electrical understanding
- Familiarity with hardware handling and testing
- Fluent in the English language, both spoken and written
- Located in, or willingness to relocate to, Stockholm, Sweden

Added advantageous qualifications:

- Experience of Electromagnetic Compatibility (EMC)
- Experience in Software Defined Radio development and implementation (with GNU Radio or equivalent),
- Familiarity with Python, MATLAB, Simulink
- Familiarity with CCSDS space industry standards
- Comfortable with basic mechanical and electrical construction in order to build and/or assemble custom interface units or supporting mounting and brackets.
- Additional related certifications
- Experience in the Space Business and knowledge of the European Cooperation for Space Standardization (ECSS) is a merit

The Avionics and RF Engineer will work in the Spacecraft department, within the Electrical Group, and report to the Head of Department. Travels may be required (3-5 trips per year primarily within Europe).

If you wish to participate to the development of future space systems, feel confident that your experience and qualifications match the above requirements and want to find yourself in a dynamic and inspiring work environment, then we very much look forward to hearing from you!

Please send your application, including CV and personal letter to: career@ohb-sweden.se

Please mark your application: Spacecraft Avionics & RF Engineer

We look forward to receiving your application!