

# SWISSto12 SA

EPFL Innovation Park, Building L  
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## **Open position: Radio Frequency Application Engineer**

SWISSto12 is opening an Application Engineer position to support its RF components and antennas pre-sales activities with focus on the writing of complex technical proposals. Main markets addressed are aerospace, space and ground based satellite telecommunications.

The work will be focused on the analysis of customers' requirements (specification, design files, call for tenders) and the preparation of the technical part of the proposals, in collaboration with the RF and Mechanical teams and the Sales team. Occasionally, project management work will be required.

### ***Introduction:***

SWISSto12 is a start-up company that spun off from the Swiss Federal Institute of Technology in Lausanne, (EPFL) in 2011. The company pioneers the development and commercialisation of radio frequency antenna, waveguide and filter products based on additive manufacturing.

The company specialises in product designs, which are then 3D printed in high-performance plastics or metals and subsequently metal plated through a proprietary process. This novel approach to manufacturing replaces traditional machining of metallic materials. In this context, SWISSto12 products feature drastic weight reductions, extended design flexibility and reduced production costs. SWISSto12 products are currently used in satellite telecommunications (on the ground, at sea, in the air and in space), other space applications, radar applications as well as test & measurement applications.

SWISSto12 is a highly innovative technology start-up company, which has already accumulated product validation with key industrial customers. The company is currently at the stage of qualifying its products against the specifications of aerospace and space applications with first cases where it has managed to move into pre-series and series production contracts in these markets. In parallel, the company's products are already commercialised for use on the ground and for Test & Measurement applications. The company continuously invests in the improvement of its technology and production processes as well as in the diversification of its product portfolio.

### ***Functions:***

- Analyse, understand and consolidate customer requirements (specification, design files, calls for tender)
- Interact with the RF, Mechanical engineering and Sales team to elaborate and write the technical proposals, for complex antenna, waveguide or filter developments. In addition, work on grant applications and funding requests
- Interface with industrial and academic partners on complex proposals involving key partners, suppliers or sub-contractors to manage their contribution to the technical proposal
- Participate to technical discussions with partners and negotiations with customers
- Perform project costing estimations, through regular contacts with in house manufacturing resources or third-party suppliers
- Support projects managed by colleagues
- Occasionally, manage projects autonomously
- Occasionally, you will be asked to participate in overall tasks and services inherent to a small company

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### ***Required experience and competencies:***

- PhD or Master degree in Radio-Frequency, ideally focussed on Antennas, Electrical engineering, Electronics, Physics or equivalent
- At least 3+ years of experience in the RF hardware industry or in an RF laboratory, ideally with exposure to the aerospace industry
- Proven experience in RF projects
- Ideally experience with engaging customers and a strong business acumen
- Problem-solving mind-set, willing to build proposals against challenging customer requirements
- Ability to analyse customers' technical specifications
- Interested, inquiring and creative approach to cutting edge electro-mechanical products.
- Proven ability to write complex technical, scientific and management documents. Background experience in writing commercial documents is a strong asset.
- Autonomous and proactive working style with excellent working organisation.
- Communicating effectively, excellent relational skills and ability to work in a team with different professional and cultural backgrounds.
- Ability to interface and manage contacts with large industrial customers.
- Language: Fluent in English (with emphasis on excellent writing skills) and a good knowledge of French

### ***Working conditions and contact:***

SWISSto12 offers a permanent contract at attractive conditions, the position is to be started as soon as possible.

An application containing a CV, a motivation letter, at least three references and possibly reference letters, a copy of your important diplomas and grades can be sent by mail to: [info@swisstto12.ch](mailto:info@swisstto12.ch)