

Job Offer / MVG Industries, Villebon sur Yvette, France



Job offer – R&D

RF & Antennas Engineer

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Microwave Vision, the leading international group in microwave instrumentation, which has been growing steadily for many years, has undertaken a series of actions in its Research and Development department in Villebon sur Yvette over the last three years in order to reinforce its know-how and its technology in the field of microwave imaging.

The group, headquartered in Paris, employs 350 people operating from 12 subsidiaries worldwide and provides more than € 70 million in sales equitably distributed between Asia, the United States and Europe. The company has a solid financial base and invests heavily in research and development.

While part of the group is making significant efforts to maintain steady and significant growth in its traditional markets, the other part of the group's mission is to develop new applications using electromagnetic measurement to address new markets.

MVG Industries, a Microwave Vision group company, is currently developing a medical scanner based on the principle of microwave imaging. These developments involve innovative architectures for transmitting and receiving radiofrequency signals. Technological advances are also underway concerning miniaturized antenna arrays that will be integrated into the scanner. In this context, MVG Industries is looking for a Radiofrequency and Antenna engineer to strengthen its R&D team. The engineer will take part in the development of agile, broadband, compact and ultra-fast transmission/reception chains, involving calibration techniques implemented directly within the system.

Engineer or PhD (RF and antennas), you have strong skills both technical and practical, and you have good synthesis capacities. You are force of proposal, with a voluntary attitude and excellent interpersonal skills. A very good knowledge of the English language is essential (written and spoken).

You have the following essential technical skills:

- You know well the analog emission/reception RF architectures (sources, mixers, filters, amplifiers, receivers).
- You have a good knowledge of digital receivers and you know how to use the latest digital techniques for generating, coding, receiving and processing RF signals.
- You have experience in designing prototypes and measuring RF circuits.
- You have experience in the field of antenna design and prototyping, and you master HFSS and/or CST simulation software.

Essential human qualities:

- You are interested in the medical field.
- You are rigorous, passionate and motivated, you know take calculated risks.
- You know how to work in a team and you have a voluntary attitude.
- You learn quickly, you are curious and you have the will to deepen your knowledge.
- Excellent interpersonal skills.
- English is essential (written and spoken).

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Located in the Paris area (Villebon-sur-Yvette), you will enjoy working with a team of international profiles with technical knowledge and complementary skills that you can benefit from and with whom you can interact fully.

Position located in Villebon sur Yvette, France

Type of contract: CDI

Education: PhD or Engineer

Working experience: 2-3 years minimum

Salary: depending on your profile and experience

Please, send your application to:

Karine Barriant, Director of Human Resources

o Email: rh@mvg-world.com

o Tel : +33 (0)1 69 29 02 47

MVG Industries
Corporate Headquarters

17, avenue de Norvège
91140 Villebon sur Yvette
France
Tel: +33 (0)1 69 29 02 47
Fax : +33 (0)1 69 29 02 27
www.mvg-world.com