



## Radio Frequencies and Materials Engineer

### Who are we?

HYMAG'IN develops ferrite-based electromagnetic materials and solutions for high-tech applications in the aerospace, mobility and telecommunications sectors.

The EM absorber products developed by HYMAG'IN provide answers to EMC, stealth and performance enhancement issues for antennas and radars, in the radio frequency, near-field and far-field domains. Thanks to its unique, sustainable, French production technology, HYMAG'IN offers ultra-thin, 3D-printable magnetic materials for easy integration into customer systems.

HYMAG'IN is recruiting an expert engineer in radio frequency electromagnetics and associated materials to drive and support the development of new products to meet the many needs of its customers.

Would you like to help build the European leader in nano-ferrites for radio frequency applications? Then join us!

### Your missions

Working as part of the Product R&D team and in close collaboration with Business Development, your responsibilities will include :

- Analysis and characterization of customer issues;
- Translation of needs into material solutions;
- Qualification of opportunities for HYMAG'IN ;
- Participation in product roadmap development;
- Development of new products:
  - Innovative 3D designs for electromagnetic performance improvement;
  - Electromagnetic materials for 3D printing;
- Coordination and consolidation of a network of expert partners in electromagnetism.

To carry out your tasks, you will use your knowledge and experience as well as materials characterization and simulation tools, either in-house or in conjunction with our partners. You will work directly with our materials experts.

You will be at the interface between customer needs and HYMAG'IN's product and process developments.

You will benefit from a stimulating and dynamic working environment using agile methods.

## Key skills and knowledge

- Advanced knowledge of electromagnetism and microwaves and their interactions with magnetic and dielectric materials. Knowledge of ferrite materials for RF/hyper applications is a plus;
- Proficiency in EM modeling and simulation tools (CST, HFSS, etc.);
- Knowledge of  $\epsilon$ ,  $\mu$  characterization techniques for RF materials;
- Experience in project management.

## Profile required

- You are a young doctor in the field of Electromagnetics, Radiofrequencies, Antennas; alternatively, you have a Master degree in this field with 3 years' professional experience;
- You are passionate about understanding the physical phenomena involved in RF electronics;
- You enjoy working both on computer simulations and on physical measurements in the laboratory; you know how to make the most of the complementarity between the 2;
- You like human contact and working with academic and industrial partners, and you're problem-solving oriented;
- You want to be part of a human adventure and play a key role in its development, and take on responsibilities.

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**Location:**

Saint Martin d'Hères, Grenoble, France

**Starting:**

As soon as possible

**Type of contract:** Permanent

**Contact:** [philippe.le-bouteiller@hymagin.com](mailto:philippe.le-bouteiller@hymagin.com)

**Salary :** According to expérience

