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FGV Cambridge Nanosystems Ltd is a high tech company established in 2012 as a spin-off from the University of Cambridge. We specialise in the large scale production of ultra-high-quality graphene powders because we want to improve the performance of consumer and industrial products by incorporating and testing graphene in their various applications. Our process for making the "miracle material" graphene uses a unique [really, world-wide unique!], one-step plasma technology we've developed in-house.

Ready for a challenge?

Microwave Engineer

We are looking for an experienced microwave engineer to join our team in a technology automation and scale-up effort.

About the role

A suitable microwave engineer will use their skills to optimise CNS' proprietary plasma reactor and help with its automation. This will include wave diagnostics and plasma cavity design to ensure smooth operation and minimise downtimes. You'll be keeping up to date with microwave engineering to help implement the most efficient technology and keep performance of our reactors state-of-the-art. Key decisions about possible scale up routes will depend on your recommendations and calculations.

This is a primarily lab based role.

About you

Absolute musts [you are/have]:

- a degree in Engineering or 2 years' work experience with high power industrial microwaves/TWTs
- a theoretical understanding of RF processes
- well acquainted with all things engineering:
 - o reactor design & setup
 - o pressure rating joints & plumbing
- strong verbal and written communication skills
 - o efficient & concise reporting
 - o proficient IT user
- a marked willingness to continuously develop skills and knowledge

Ideally [you make it to the top of the pile if] you are/have

- degree in Microwave Engineering
- experience with scaling up high power industrial microwaves
- experience working with plasmas
- worked with atmospheric pressure microwave plasmas
- FEA modelling skills and experience
- programming skills

Rewards

You will be part of

- a very committed and energetic team that
- develops a new and
- world-wide unique technology to make
- graphene, 'the wonder material of the 21st century'
- by converting a greenhouse gas, thereby helping to save the planet.

What could be more rewarding?

- Regular bonding activities [like charity runs, design challenges, dinners, etc] and
- our employees enjoy free car parking.

Location

You'll be based in our beautiful new 2500 m² lab and office building off Newmarket Road close to the historic city centre of Cambridge with its plentiful offers of art, entertainment and sporting facilities and right by the picturesque Cam river conservatory.

Last words

We welcome applications from everyone irrespective of gender and ethnic group but, as women are currently under-represented in our engineering team, we would like to strongly encourage their applications. Appointment will be based on merit alone.

Salary is negotiable based on experience.

To contact us about this role please send an email with your CV and a cover letter to contact@cnanos.com. Please only email if your documents **meet ALL of the 'absolute musts' criteria**.

Please submit your application **by 5 December 2016**.

