



MEMS Design Engineer / Project Manager

Job description

As a MEMS Design Engineer / Project Manager you are responsible for delivering a customer order (project) according to specifications, in time and within budget.

Your tasks will be very diverse. Among them are:

- Communication with various customers regarding technology and planning.
- Give guidance to your project team
- Design masks based on customer input
- Generate process instructions for the wafer manufacturing process (runcharts)
- Purchase of goods needed for the project

LioniX International uses the MESA+ cleanroom facility from the University of Twente to produce customized MEMS products.

MEMS (Micro Electro Mechanical Systems) is an emerging field finding a rapidly increasing share in various market applications. LioniX Internationals customers use MEMS for applications in sensing, life sciences, instrumentation and more. Since LioniX International manufactures customized products you will not encounter two projects alike, which requires flexibility and is therefore often experienced as very challenging and inspiring. A typical MEMS commercialization trajectory could start by exploring unknown parts of required technology, followed by a proof of concept, engineering runs and finally production, which will all be part of your job.

Professional requirements:

- University degree in physics or similar.
- Experience with CleWin, KLayout, Python is a plus.
- Knowledge and expertise in cleanroom processes and Microtechnology / MEMS is essential.
- Well organized.
- Team player.
- Autonomous and curious.

Languages

- Fluent in English
- Dutch or willing to learn Dutch

Your team

You will be part of the MEMS team. This team responsible for all the MEMS related projects and process development within LioniX International. The team is closely working with the cleanroom team. Since the markets and products of our customers are changing rapidly, LioniX has organized itself as a very flat organization with many responsibilities for the individuals in the teams.



What LioniX International offers you

- Competitive salary
- Good terms of employment
- Company paid pension plan
- Company paid insurances
- Healthy work – life balance
- International working environment

Working at LioniX International means you will be working in a dynamic and inspiring environment. As a technology driven company our teams are always curious and looking for challenges and possibilities. Your team expects you to work as a team player, but individually you will have many possibilities for self-deployment. This is stimulated actively since it is of great importance for LioniX International that we invest in a long-term relationship between you and us.

As a global leader in microsystem technology, your working environment will be both Dutch and international. Your colleagues and the projects you are working on both have a diverse nationality.

When joining the LioniX family, you will experience that we also create many opportunities for non-work related matters, such as Friday afternoon celebrations and days-out with the company. Finally, LioniX International has good terms of employment including an excellent pension and insurance plan both for you and your family.

Company profile

LioniX International is a leading global provider of customized microsystem solutions, in particular integrated photonics-based, in scalable production volumes. We provide customized solutions for OEM's and system Integrators, by vertical integration, from design to fully assembled modules. We continuously maintain our technology leadership secured in a strong IP position. Currently LioniX International employs nearly 50 highly educated people, and its management has multiple decades of combined experience in micro/nano system technology.

Further information is on our website www.lioniX-international.com

Contact

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