



## **Vacancy: Lead Product Engineer at TILER**

### **Challenge – design worlds first wireless charging Tile for light electric vehicles**

TILER is a young and ambitious startup in the light electric vehicle (LEV) charging space based Delft. After years of research at TU Delft, the company TILER was founded October 2019. This patented innovation provides many benefits, amongst others: One Tile that charges all kind of vehicles, wireless, fast charging, easy to install outdoor and indoor, and last but not least ‘always having a charged e-bike available’. We believe a sustainable growth of light electric vehicles is paired with an impeccable infrastructure. That way, anyone can have a seamless travel experience without impacting the environment. We would like to see cities without greenhouse gasses and filled with nature, a contribution to a healthier environment, ultimately leading to a healthier society.

TILERS patented innovation provides benefits like: One solid charge Tile for different kind of LEV’s, fast charging, outdoor and indoor, no ugly and expensive charging poles with cables in the cityscape, and last but not least, always having a charged vehicle available.

Are you a seasoned start-up minded woman or man with technical (preferably electronics) background and proven experience in building a great user centered hardware product. Are you, or do you want to become, a lead product engineer? You will be the technical team lead. You might have a background as system engineer and want to widen your scope and responsibilities. As lead product engineer you set strategy and manage a team in a variety of technical fields (electronics, communication, software, mechanical engineering, production, EMI).

[www.tilercharge.com](http://www.tilercharge.com)

#### **What we offer you:**

- Co-develop an innovative and game changing wireless charging solution
- A team of A-players with technical people, professors and entrepreneurs.
- Co-working with the Department of Electrical Sustainable Energy of Delft University of Technology.
- An open engineering culture where you both build and design the technology.
- Flexible hours, work-from-home options and we also don't micromanage your vacation days.
- Office at YES!Delft, the most inspirational hardware startup campus in The Netherlands.
- Seminars for (power)electronics, WPT, EMC, firmware, cloud connection. According to the needs of the projects.

#### **Main Tasks and Responsibilities:**

- Lead product engineer and technical team lead.
- Translate business requirements into system design and validation.
- Create and communicate technical project planning within the team.

in some more detail:



- You analyze product needs, set product/system requirements, optimize multidisciplinary designing and integration, validate results, make iterations, and think about lifecycle management.
- Be the linking pin to software, firmware, mechanical/ product design and embedded hardware to deliver a fully functional product.
- Be the linking pin between business development to take into account customer feedback and operations with regards to installation and optimizing manufacturing.
- Coordinate R&D budgets and make full BOM available.
- Generate proper documentation (e.g. technical specification, data sheets, application notes).
- Update R&D teams with the latest customer feedback and competitive analysis.
- Consistently innovate to improve reliability and capabilities while minimizing cost

#### **You have**

- Minimum 5 years relevant working experience in a business minded engineering environment.
- A positive, hands-on and pragmatic character. You like challenges and provide solutions instead of asking questions.
- You should have excellent communication (verbal and written) and interpersonal skills, including the ability to present technical concepts to multi-disciplinary teams.
- Experience leading projects from conception to market and demonstrated ability to dig into the details while looking at the big picture.
- Experience and will of creating the necessary documentation and project planning during the development phase.
- A technical BSc or master's degree (e.g. electrical/electronic/ mechanical engineering)
- Fluency in spoken and written English.
- Strong analytical and strategic skills

#### **You might have**

- To discover and implement new technologies that yield competitive advantage.
- Understanding/knowledge of WPT, magnetics and battery management systems. This is a plus.
- Knowledge of European directives (like EMC) and standards (like IEC 61980). This is a plus.
- Affinity or even better having worked, with mobility, WPT or electric vehicles. This is a plus.

#### **Job brief**

To accomplish our mission, you will need to be comfortable designing and testing many iterations with a very small team. As such it helps (though not required!) if you can show that you have worked on one or more other subjects like software engineering, 3D modelling, mechanical engineering, industrial design etc. Just make sure that if you've done it, that we can pick up on some of that stuff in your cover letter (video works too) or resume.

Interested? Send your job brief to [olivier@tilercharge.com](mailto:olivier@tilercharge.com), or call Olivier at +31 (0)6-54951472