

Senior Electronics Engineer

Seaborough

Working for the Seaborough organization, a Dutch clean-tech scale-up of about 20 people strong with a dynamic, informal and respectful working environment, means having the potential to positively contribute to revolutionize the lighting industry by inventing and developing proprietary technologies, commercializing those by patenting and licensing, and turn those into applications and products together with partners. More specifically, Seaborough targets to create maximum value out of intellectual property in the areas of (i) breakthrough LED lamp concepts which are fully compatible with the existing infrastructure and (ii) ground-breaking photonic materials for LEDs or LED lamps. Seaborough teams up with best-in-class external experts around the world to achieve above goals. Seaborough is located in Amsterdam, The Netherlands, a city recognized to be one of Europe's hotspots when it comes to a fruitful start-up business environment. Seaborough started in 2013 and is backed by the Dutch private equity firm Momentum Capital, which focuses on Cleantech companies that have the potential to challenge the existing and set the new standard in their respective areas of business and thus positively contribute to the world's climate goals set by the Paris agreement.

Job Description

Seaborough's Electronics Engineers form a strong, dynamic and enthusiastic team which is responsible for the design, development and validation of innovative electronic circuits used for driving LEDs in various applications. The successful applicant will become member of this team, reporting to the lead electronics engineer.

Key Responsibilities:

- Design realization and validation of non-conventional (patentable) electronic circuits for LED applications and end-products for the professional and commercial markets world-wide.
- To identify and implement intellectual property opportunities in any stage of the development project.
- To excel in transparent (scientific) reporting to stakeholders at all levels.

Must-Have Qualifications

- Technical background on MSc level, preferably electrical or electronics engineering, mechatronics or measurement and control.
- Experience in the domain of electronics design for lighting or battery applications or switch mode power supply design in general.
- Is often found in the lab and loves the test-bench: hands-on, eye for detail, self-propelling.
- Assures integrity of data and analysis.
- Fluent in English.
- Fits in a start-up working environment.
- Shows respect towards colleagues and business partners at all times.

Recommended qualifications

- Familiar with all relevant IEC standards and importance in applications.
- Experience with circuit layout tool(s), preferably Altium or, second choice, Eagle.
- Experience with DFMEA and DoE methods, including Gauge R&r.
- Experience with RF applications in Lighting (BLE, Zigbee).
- Experience with GaN switches at high frequencies (> 500 kHz).
- Strong oral and written communication, consulting, interpersonal and presentation skills.

Interested?

Please send your motivation with resume to Seaborough Research B.V, Cruquiusweg 111-C, 1019 AG Amsterdam, apply via mail is possible; info@seaborough.com.

Questions about the vacancy, please call our telephone number +31 (0)20 261 00 86 and ask for Martijn Dekker (CEO/CTO).