



HEIMDALL POWER

Hardware Test Engineer

THE POSITION: As a Hardware Test Engineer, you work with the systems that are the heart of Heimdall Power's business. You will work closely with the design engineers and be responsible for developing test systems and algorithms, and execute tests on hardware and firmware. Technical and practical skills are vital.

WHO WE ARE: Heimdall Power is a young Norwegian technology company established in 2016. We offer a rapid transition to fully digitized grid assets through low-cost, easy to install, self-powered sensors that provide input to advanced models and algorithms. Our goal is to use machine learning to predict line faults before they happen, minimize blackouts and improve maintenance efficiency. With better capacity control, energy distribution can be optimized. Heimdall's technology has the potential to increase the average capacity of the grid by more than 25 percent. The electrical grid is the largest man-made machine - It spans the globe, providing structure, balance and life to our energy system. It is essential infrastructure to enable a sustainable, green energy future. Heimdall Power is backed by established VCs and industrial partners. This is your chance to be part of an exciting journey towards a sustainable future.

WE ARE LOOKING FOR: Heimdall Power is seeking a passionate Test Engineer to join our Technology team in Oslo! As a Test Engineer at our company, you will work closely with the design team to assess quality and reliability of hardware and firmware. You need to have a good understanding of schematics and layout of electronics hardware as well as embedded software. Oscilloscope and soldering iron should be well known tools to you. You will be part of a highly skilled multi-disciplinary dynamic organization creating and commercializing new technologies that enable us to deliver on our mission to digitize the electrical grid.

Responsibilities:

- Develop test systems and algorithms for effective testing of electronics hardware and firmware
- Be involved in the development process to enable efficient testing
- Participate in electronics design reviews
- Plan and execute verification tests
- Debugging and failure analysis
- Sense of ownership and pride in your performance and its impact on company's success

Your qualifications:

- BS/MS in Electronics or equivalent
- Good practical skills using oscilloscopes, soldering irons etc.
- Good knowledge and experience with schematics and PCB layout
- Scripting using python or similar
- Understanding and experience with embedded software
- Ability to work in team with other engineers and functions, gather information, and share knowledge
- Knowledge of test methodologies, writing test plans, creating test cases and debugging

Preferred qualifications:

- Worked on projects on spare time
- Passionate about new product design and technical solutions
- Python programming skills
- Experience with communication protocols like UART, I2C, SPI and I2S
- Experience with types of networking such as mesh networks, LTE-M, CAT-M1, LORA and Bluetooth

For further information about the role, please contact Øyvind Teigen on email oyvind.teigen@heimdallpower.com