



HEIMDALL POWER

Systems Development Lead in UAV applications

THE POSITION: Systems Development Lead in Unmanned applications (UAV / Drone) - to oversee and get hands dirty with our ambition to install sensors autonomously with drones on powered high voltage lines.

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 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: A problem solver with a conceptual mindset. You enjoy working with control algorithms, hardware and have experience with building control systems. As a person you are strategic, self-motivated and independent. You have the desire to write understandable and testable code with an eye towards maintainability. Your preference is to simplify rather than over-engineer solutions. You have an aptitude and drive for scaling and maintaining substantial systems.

Responsibilities:

- Drive and define activities that will lead to a fully functional system for drone installation.
- Lead team resources and work with consultants and researchers.
- Lead prototyping and extensive high voltage lab and field testing
- Work with customers to adapt to their input and specific needs

Your qualifications:

- Minimum MSc within Robotics, Electrical engineering, Computer sciences or another relevant field.
- Minimum 3 years experience within a relevant function.
- Strong programming skills in C / C++
- Demonstrated knowledge in data acquisition and sensor fusion algorithms.

We especially like to hear from you if you have experience with:

- Visual Navigation methods / SLAM
- Experience with custom software development for autopilot systems (ex. Pixhawk).
- Experience from high voltage engineering and power systems.

For further information about the role, please contact Knut Sandven on email **knut@heimdallpower.com**