UAV Software Developer

THE POSITION: As a UAV Software Developer you write the software that will enable our drones to install sensors autonomously on powered high voltage lines. You will be responsible for developing, maintaining and testing the software for navigation and control of our drones. Your work has the potential to shape the digitization of our electrical grids.

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. We offer competitive salary and compensation package, and you will participate in the company's options program. This is your chance to be part of an exciting journey towards a sustainable future.

WE ARE LOOKING FOR: A highly motivated Software Developer who cannot wait to start writing the software that will enable our drones to operate autonomously. You have excellent programming skills in C++ and have the desire to write understandable and testable code with an eye towards maintainability. As a person you are strategic, self-motivated and independent. 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:

- Hands-on programming and problem solving
- Implementing and testing algorithms for route planning and guidance
- Implementing object detection algorithms
- Fusing data from different sensors

Your qualifications:

- Master's degree in Computer Science, Cybernetics/Robotics or another relevant field.
- Excellent software development/architecture skills in C/C++

- Experience with agile software development and DevOps

It would be great if you also have experience with any of the following:

- Python or other high level language
- ROS (Robot Operating System)
- Nvidia Jetson Embedded Systems
- Software development for autopilot systems (eg. ArduPilot or PX4).
- Image classification and object detection algorithms
- Working on small or big software projects in your spare time

For further information about the role, please contact Øyvind Teigen on email **oyvind.teigen@heimdallpower.com** or Mads Bornebusch on **mads@heimdallpower.com**