



Software developer for solar power plant (thesis project)

About Startak

We are a start-up company which design and manufacture electronic devices used in utility scale solar power plants to follow the Sun movement. We are working on a number of projects around the world where we will provide our customers with a modern user interface to our solar tracking systems. If you want to work for a greener future, join us to shape it!

In our company we are two engineers from Wind and Energy engineering and we have been guided by several innovation funds such as DTU Stardust, Micro Grant, Venture Cup, InnoFounder, Climate Kic. InnoBooster. We are now developing our business and looking for a skilled and self-motivated person to join our team and, based on business performances, stay with us!

Your qualifications

- A degree in Computer Science, Software Engineering, or similar.
- Experience from university or a previous job writing back-end code and Graphical User Interfaces.
- Experience from university or a previous job working with Linux, Python, PyQt, PHP, MySQL, JSON, JavaScript, NodeJs, Electron, CSS3, HTML5.
- Experience or willing to learn independently with Data communication protocols, e.g. TCP-IP, Ethernet, Modbus, Zigbee.
- Good communication skills (written and verbal) in English.

Job functions

You will be part of a small team of engineers and electronic geeks, hands down to electronic hardware.

You and the team have responsibility for taking features all the way from the initial inception, through research, design, development, and deployment including it being used by our customers.

In your first project, you will assist the development of the SCADA software (Supervision, Control And Data Acquisition) for the control room of a solar power plant having about 2000 solar trackers. From your software, which could be a web interface or a packaged Python program, it will be possible to:

- Visualise plant and individual solar-tracker behaviour
- Remote monitoring and control each solar tracker
- Setting of parameters
- Display solar-tracker data
- Alarm monitoring
- Data acquisition
- Remote firmware updates

The right candidate

You are recognized not only for your drive and motivation to work with technical details, but also your structured and analytical mindset that enables you to design and implement high-performance software. You can work both independently and within a team, demonstrating good interpersonal skills. You are open-minded and are listening to ideas and wishes from other people.

We offer an exciting job in a dynamic and motivating environment where daily life is characterized by varied activities and lots of challenges and the possibility to work from different locations and flexible time schedules.

Workplace

Copenhagen and Avedøre.

What you will get

Thanks to this experience you will get the opportunity to see from 0 to 1 the development of a user interface that will be installed in big solar power utilities around the world.

You will face continuously with exciting challenges which will help you to grow and develop your programming skills.

The complexity of this work is also suitable as thesis project.

Interested?

If you want to know more, do not hesitate to contact us for further information.

giorgio@ingdemurtas.it

To apply please send:

1. Your CV in English.
2. A brief description of the programming language and GUI (graphical user interface) tool-kit you would use to communicate with 200-1000 wireless sensors/actuators.
3. Screen-shots and 1-5 lines description of programs with a GUI you have made.