DOING GOOD IS BEEING GOOD PERIOD.

Who we are

As EN.Solar we have set our focuse on one of the most important issues of the global future:

the development of- and the investment in renewable energy.

We provide customized photovoltaic solutions to manufacturing companies, investment funds, and real estate investors. These solutions are designed to reduce electricity costs and lower CO_2 emissions. We use IoT software to accurately bill for the electricity used, ensuring consumer-level accuracy. The success of the company is not only based on the acquisition and realization of single and multi-tenant PV projects, but also on securing and optimizing the operation.

What's in for you?

The Setting:

Input: Close cooperation with the founders
Opportunity: for working student / full time position after the project
Certificate: after successful completion
Flexibility: Working hours can be agreed with each IDP student individually. Freedom to work from wherever you like.

Your Project, if you choose to accept it:
Photovoltaic Site Selection and Owner Identification

How are you going to change the world?
The goal of this project is to develop a sophisticated program that automates the process of identifying potential houses and farmland for the installation of photovoltaic (solar) plants. The program will employ various data sources and algorithms to pinpoint locations with high solar potential.
Additionally, it will use available databases to determine the owners of these properties, facilitating contact for potential agreements or partnerships. The primary objectives are to streamline the site selection process and efficiently connect with property owners for collaboration.

Team Structure

The team does not need to consist of 6 personas. Each team member can also take multiple roles.

1. Project Owner:
- **Role:** Oversee project development, timelines, and ensure alignment with business goals.
- **Persona:** Project owner with a background in data-driven projects.

2. Data Scientist/Analyst:
- **Role:** Develop algorithms for solar site identification, data analytics, and property owner identification.
- **Persona:** Data scientist with expertise in geospatial analysis, machine learning, and data integration.

3. GIS Specialist:
- **Role:** Implement geospatial data and mapping, ensuring accuracy in solar site selection.
- **Persona:** GIS expert with experience in solar resource assessment.

4. Database Specialist:
- **Role:** Design and manage the integration of property databases for owner information.
- **Persona:** Database administrator with expertise in data retrieval and management.

5. Software Developer:
- **Role:** Build the program, including the user interface and notification system.
- **Persona:** Full-stack developer experienced in database integration and user interface design.

6. Quality Assurance Tester:
- **Role:** Ensure the program's functionality and accuracy through rigorous testing.
- **Persona:** QA specialist with experience in software testing.

Key Features and Functions

1. **Solar Site Identification:**
   - Utilize google maps solar api to identify geospatial data and solar irradiance models to identify locations with high solar potential.
2. **Property Data Integration:**
   - Integrate with existing property databases to cross-reference identified sites with ownership information.
3. **Data Analytics:**
   - Implement data analytics and machine learning algorithms to assess the economic viability of each location.
4. **Owner Identification:**
   - Access public records, land registries, or other legal databases to find property owner information.
5. **User Interface:**
   - Develop a user-friendly interface for program operation and data visualization.
6. **Notifications:**
   - Set up a notification system to alert project managers of potential sites and owner details.

Please, submit your **CV** along with a **brief statement** outlining your motivation for joining this project also reflecting on **why you** are the right pic to change the world leveraging on the climate crisis.

info@EN.Solar

If you have questions, please also feel free to reach out and call us.

Your Profiles

- Enrolled in a Bachelor or Master program of Management or Technology
- Impact-driven. You want to join us in shaping the future of sustainable real estate and make a real impact
- Prior experience in consulting and/or startup environment is preferred
- Passion for Green-Tech is an advantage
- Proactive, analytical and a strong team player with excellent communication skills

Conclusion

The Photovoltaic Site Selection and Owner Identification Program aims to revolutionize the solar energy industry by automating the identification of ideal sites and streamlining the owner identification process. The proposed team and their respective personas are essential for achieving this ambitious goal. This project has the potential to significantly contribute to the growth of solar energy and reduce the barriers to entry.

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