

Utilizing DASION's AI/ML, Anomaly Detection, and Robotic Technologies to develop software for controlling robotics in the construction of solar farms in high-temperature environments, incorporating vision into the robotic design.



## CONTEXT

Desert regions like Salton Sea offer solar and lithium potential, despite harsh climates. Human workers are unable to operate on-site, necessitating the use of remote-controlled robot



## PROBLEM

Unseen land conditions, akin to hidden rocks beneath the surface, require software capable of swiftly offering solutions to navigate these challenges



## SOLUTION

DASION is developing a remote control software for anomaly detection & robotic trajectory design, aimed at crafting dynamic & optimal solutions for extreme-heat desert



## CONNECT

Collaborating with hardware companies to construct solar farms. Mitigate risk through stakeholder feedback, forge alliances, employ targeted marketing, and ensure compliance



**DASION**

- Sam Malagon**
  - Full-stack software engineer
  - Master's in computational and applied mathematics
- Zhaocheng Yi**
  - MBA Candidate at The Wharton School
  - Chief of Staff at DASION
- Benjamin Hartley**
  - HMC Math/Physics Student
  - Quantum Optics Lab Researcher
  - Proficient in Solar/Battery Tech
- Felix Peng**
  - Award-winning entrepreneur
  - Focused on business management and growth
- Dr. Weiqing Gu**
  - TEAM CAPTAIN
  - AI/ML & Robotics Expert
- Ziqi Zheng**
  - Completed prestigious summer programs at Yale and UCSC
  - Responsible for R&D in Robotics
- Edward Zhong**
  - Involved in business planning and hackathons
  - R&D in computer science and machine learning
- Chris Wang**
  - Achievements in the NASA and Microsoft hackathons
  - Focus on computer science and machine learning
- DASION AI**
  - AI auto-management system owned by DASION

*All team members are experienced and have taken courses in the field of differential geometry and computer science.*

## Solution Enabled by DASION's Technology and Team:

- We plan to adopt DASION's UAV control algorithms and related technology to create the software
- Dr. Gu and Sam Malagon lead our AI/ML-driven solar tech team, bringing their expertise in anomaly detection, market insight, business management, and innovative product design.