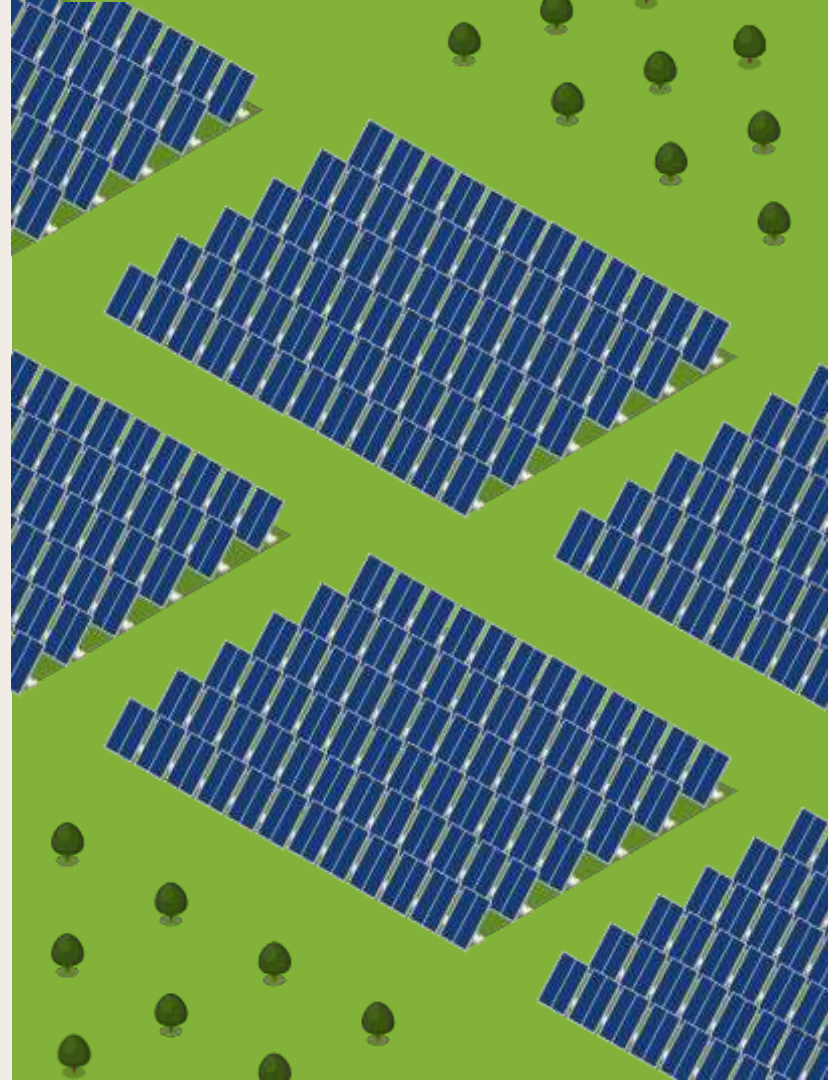
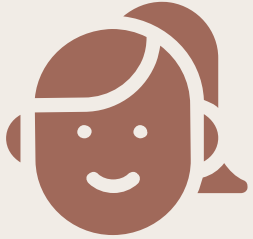


# OptiSolar

Category: AI and Environment  
"Powering the Future, Carbon-Free, with  
Solar Energy!"



# Our Team



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**01**

# **THE PROBLEM**

# Energy Generation

According to the United Nations:

1. Main source of greenhouse gas emissions: electricity generation
2. 29% is renewable (solar and wind)
3. Urban landscapes are the problem
4. Reduced incentive for solar power



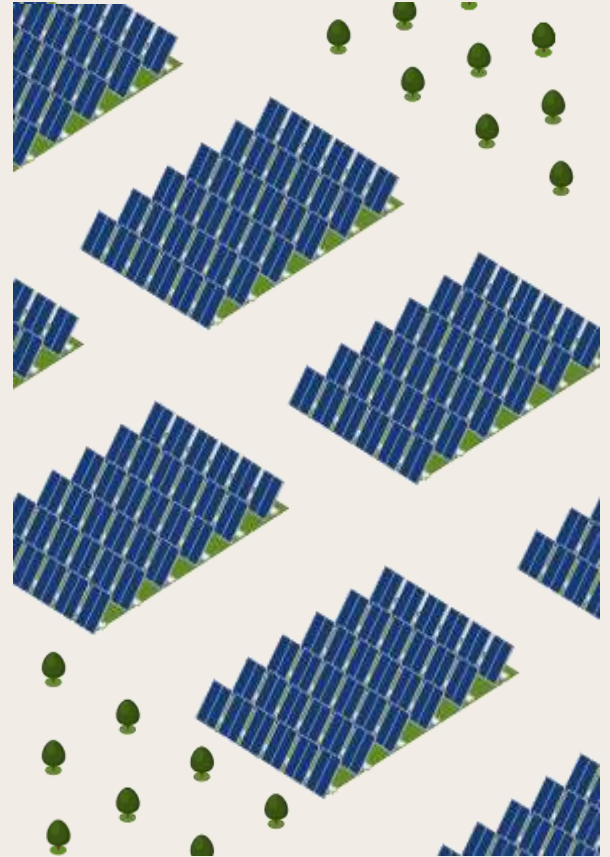


**02**

**OUR SOLUTION**

# OptiSolar AI

1. Pinpoints ideal rooftops and areas in a city for solar panels
2. Maximizes energy production, minimizes environmental impact
3. ACT-R to aid in decision making







**03**

**NEEDS**

# API's and Datasets

1. Google's Solar API
2. Urban property owners' preferences







**04**

# **POTENTIAL ISSUES**

# Issues

1. Dataset Accuracy
  - a. Google API
  - b. Property Owner Preferences
2. Implementation
  - a. Funding
  - b. Permissions

