Solonet

Unlock undiscovered solar energy potential with the help of Al



Motivation

Hard to use calculators

Due to the difficulty of existing solar panel system estimations, many suitable areas

Solar energy reducing carbon emissions

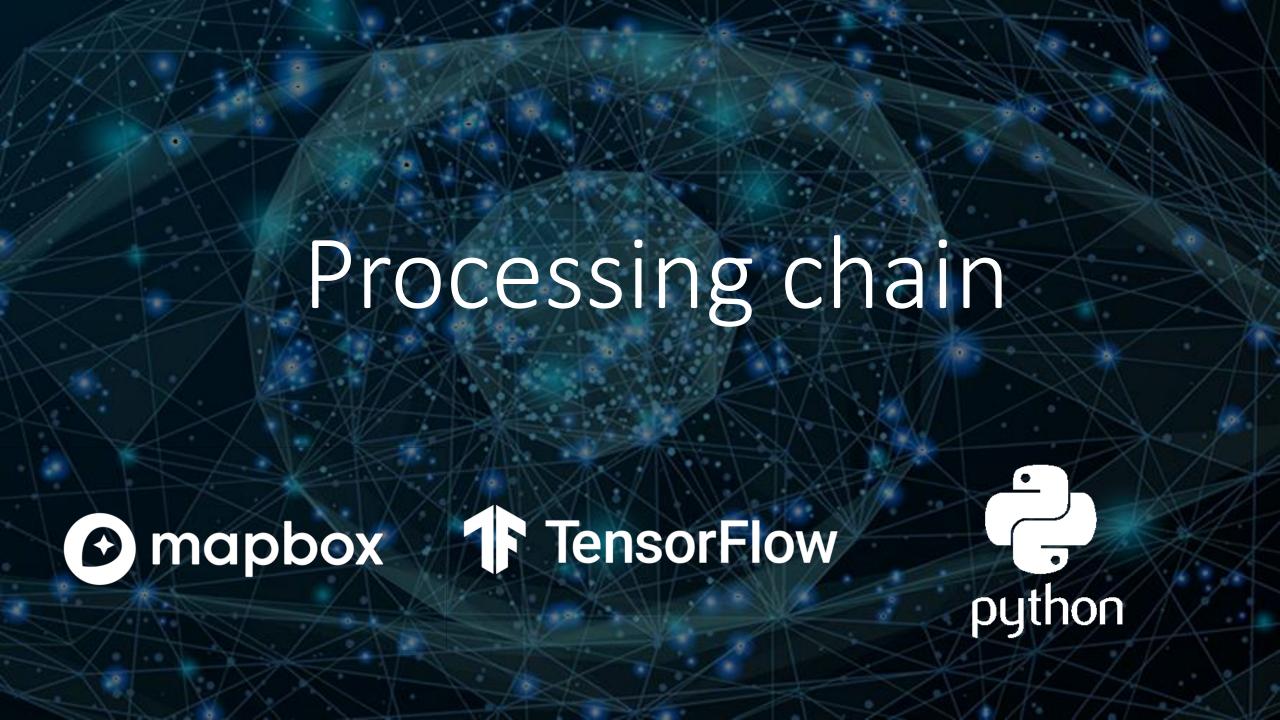
The energy sector is one of the largest emitters of CO2 emissions. Green energy solutions like solar panels play a vital role in reducing emissions.

Utilize unused areas

U.S. Commercial Rooftops Hold 145 Gigawatts of Untapped Solar Potential



Through high-res satellite images and semantic image segmentation, we built an web-app that allows virtually anyone in the world to evaluate the potential for solar energy solutions for a specific location.



Processing

1. User enters address where a potential solar panel system should be evaluated

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Unlock your **Potential.**Discover your solar energy solution with Sola**Net**

Enter your address, our application will gene	rate an offer for photovoltaic based on semantic segmentation of satellite imagery
Address:	
Submit	



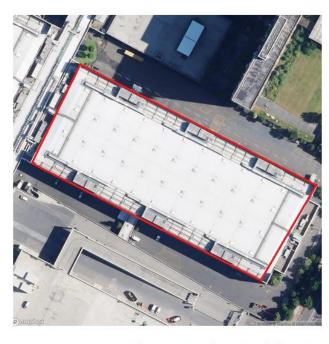
- 2. Pull high-res satellite images from an online provider
- 3. Process image through trained ai model and determine

suitable roof area

Results of our trained model



Processing Calculate customized solar panel solution



Estimated Yearly Revenue Performance

50% self-consumption: 26492,18€

30% self-consumption: 20444,75€

15% self-consumption:18932.89€

Estimated Initial Investment Costs

Solar Panel Costs: 145180,80€

Power Inverter Costs: 2397,65€

Installation Labor Costs: 11650.01€

Total required initial investment: 159230,41€

Identified Suitable Roof Area

545 m² | 125.65 kWp installable Capacity

Calculated Break-even-Point of investment

(assuming 30% self-consumption)

7,13 Years

Show Graph

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Thank you for your attention, we are looking forward to your questions!