





# traditional solar energy

manually tilting panels

energy lost as sun's position changes



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# auto-tilt solar panel + user interactive application

# maximizes energy produced

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## \$2,500 extra per technological panel through the addition of Photoresistor LDR's (at a cost of \$3 each),

around 200 LDR's per side

# over 40% more efficient

as compared to traditional, manual tilting solar panels for households - making household solar collection more efficient and accessible, similar to solar farms.





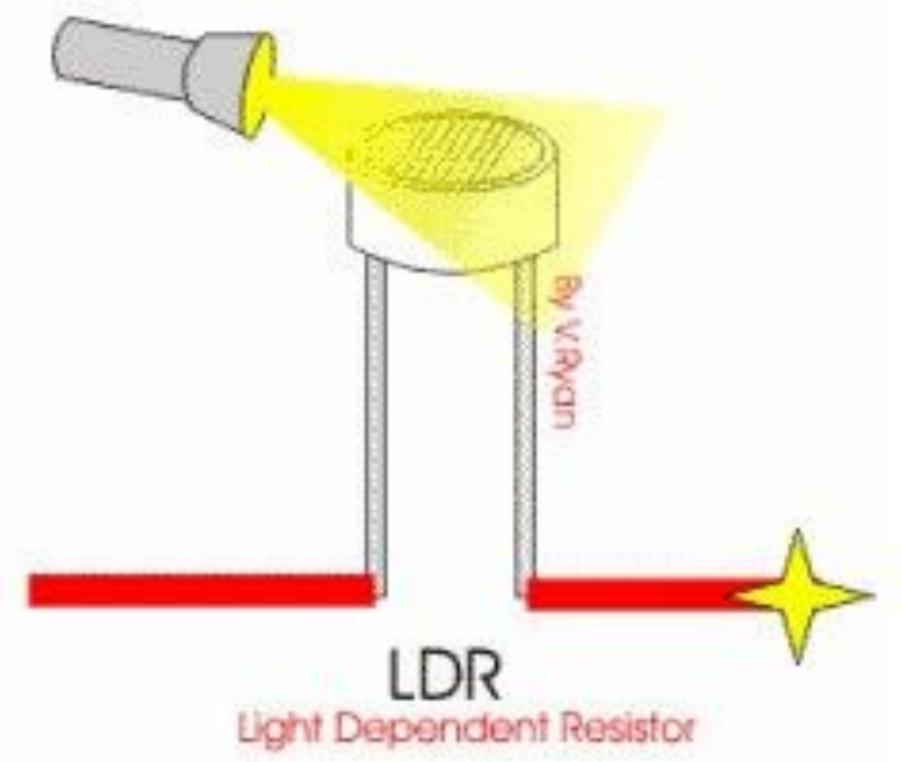
roof (LDR Attached)

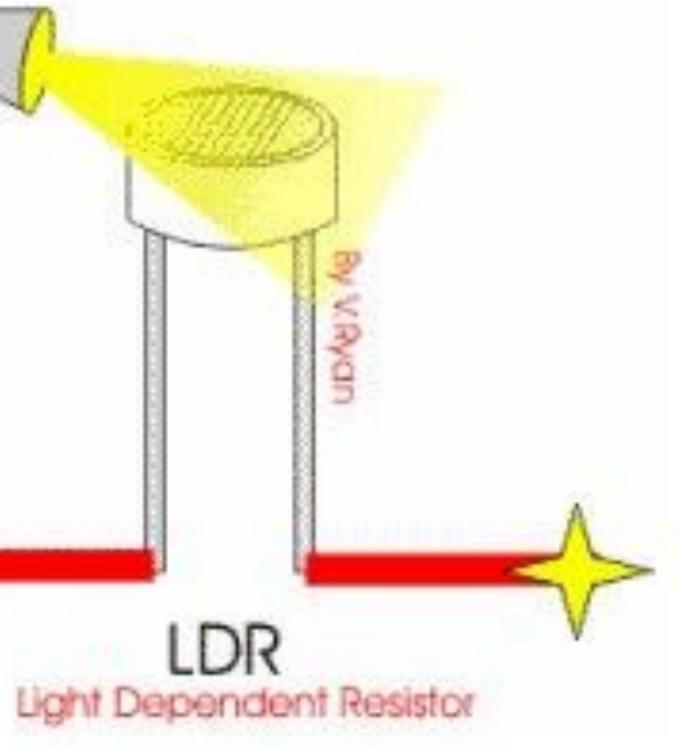
solar panel (attached by a robotic arm) interacts with LDR to automate tilting

### roof (LDR Attached)

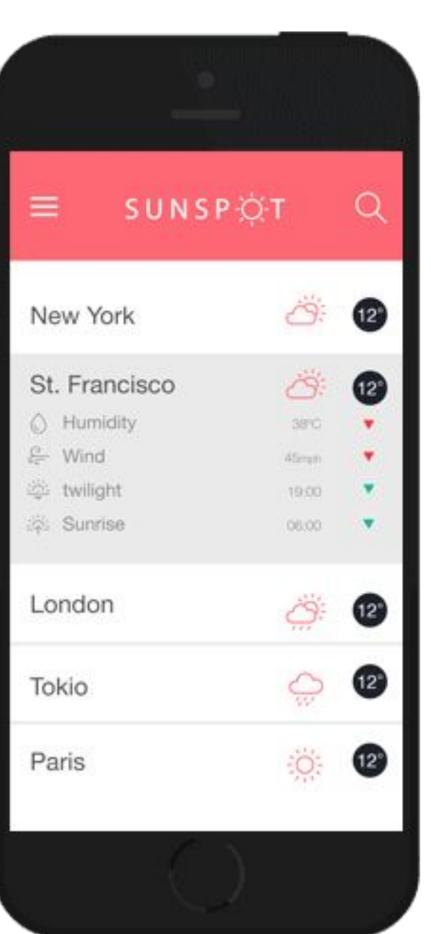






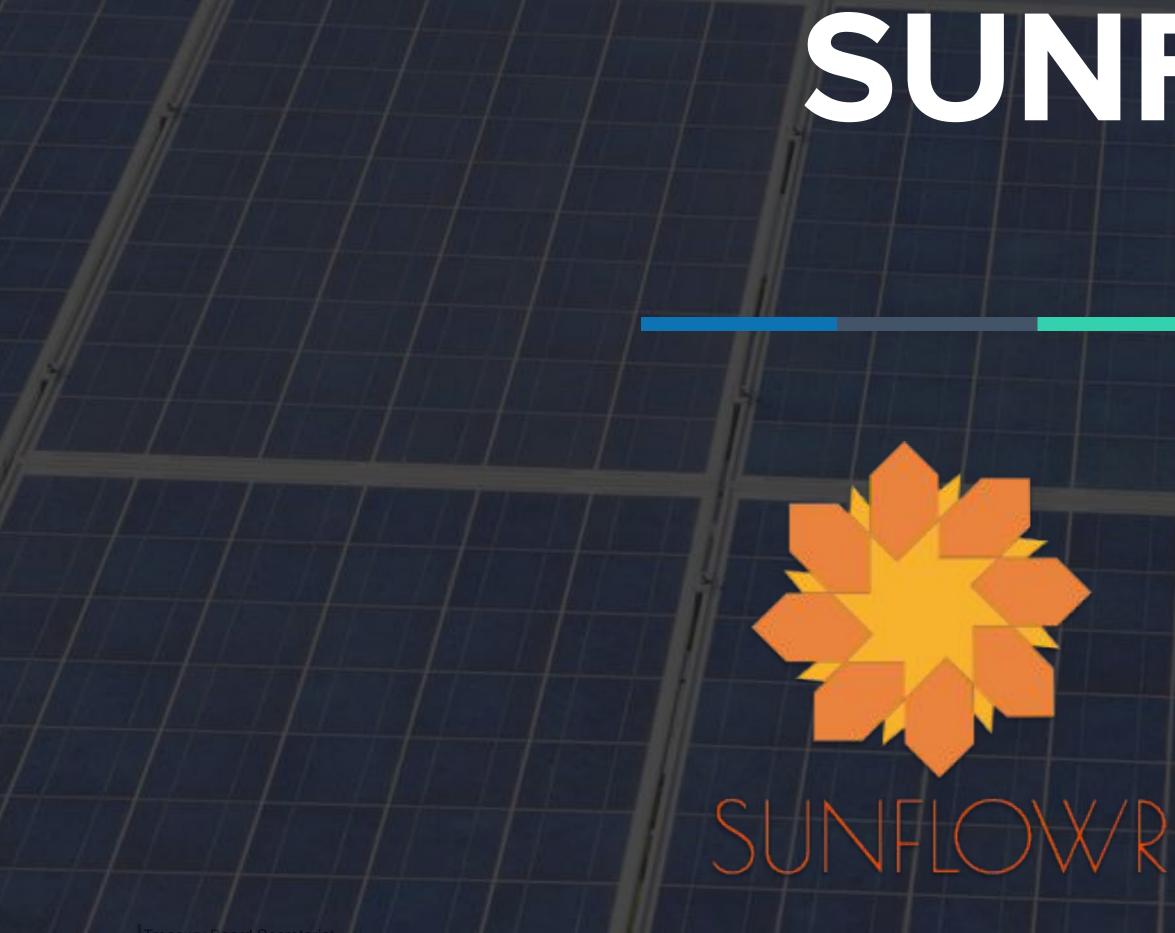








## IoT HACKATHON



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# SUNFLOWR



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