

SOLAR ENERGY MANAGEMENT

Curated by Alan Pirro

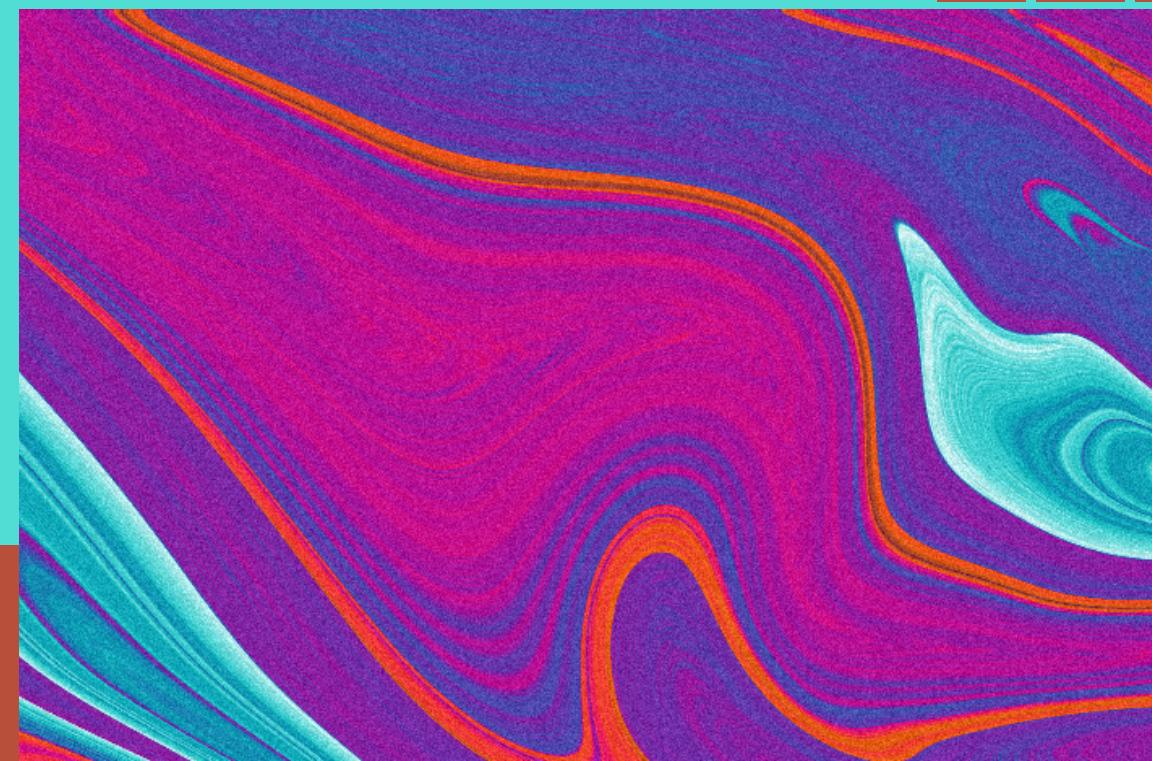
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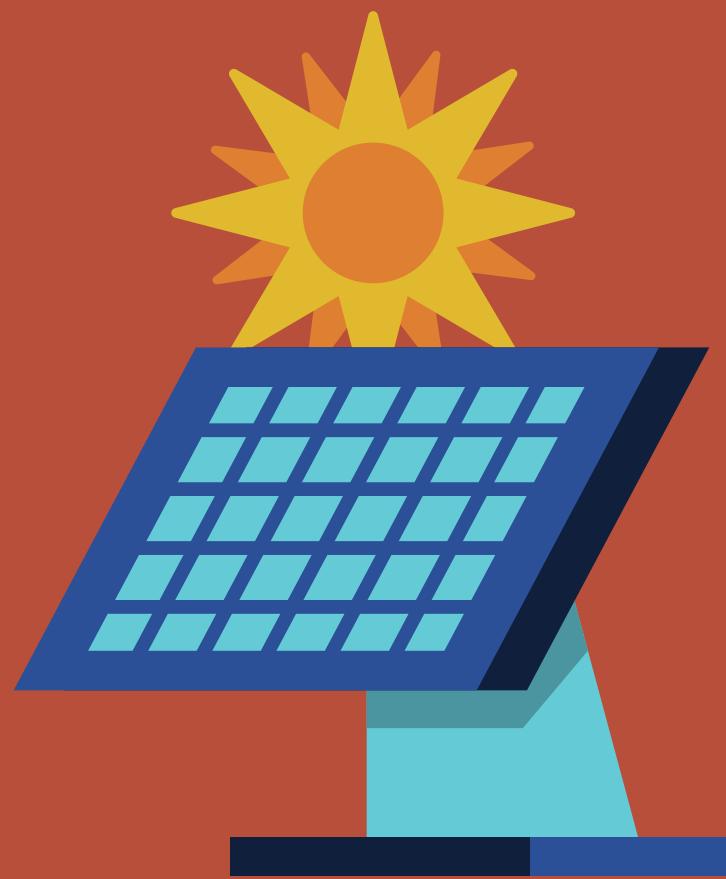
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WHAT IS IT...

Solar energy management is a Web-App for monitoring the photovoltaic energy produced and consumed by a structure.

MOTIVATION

The development of the project started from the fact that photovoltaics is one of the methods of sustainable energy production, and the integration of the use of the blockchain on this issue attracted a lot of curiosity in me. I hope that in the future a structure with a photovoltaic system is not an exception or a surplus, and not only for hotels, but that it is normal and that renewable energy such as photovoltaics is not the future but the present.



WHAT IT DOES

First step

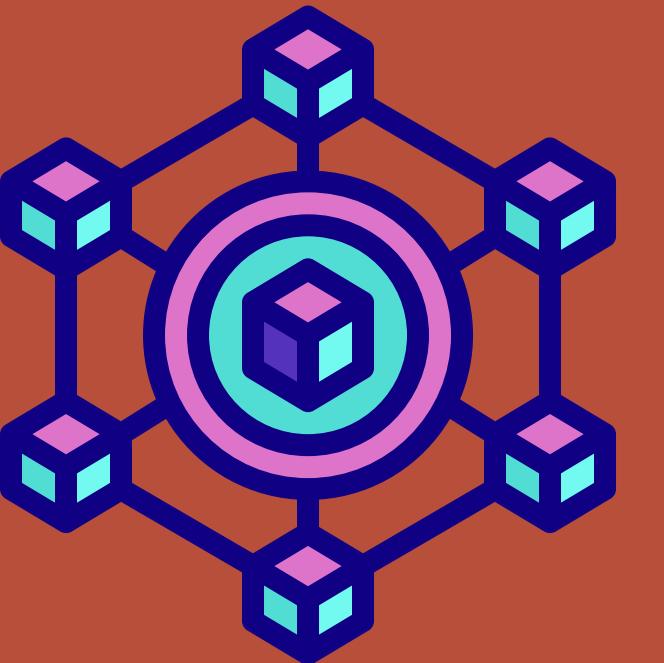
Every 24 hours information is taken from an endpoint currently simulated with Postman but in the future it could be the control panel of the panels.

Third step

finally the information: the Watts produced and consumed together with the hash of the transaction is displayed in the form of a table.

Second step

With an automatic mechanism, the information is processed and imprinted on the Ethereum Ropsten testnet.

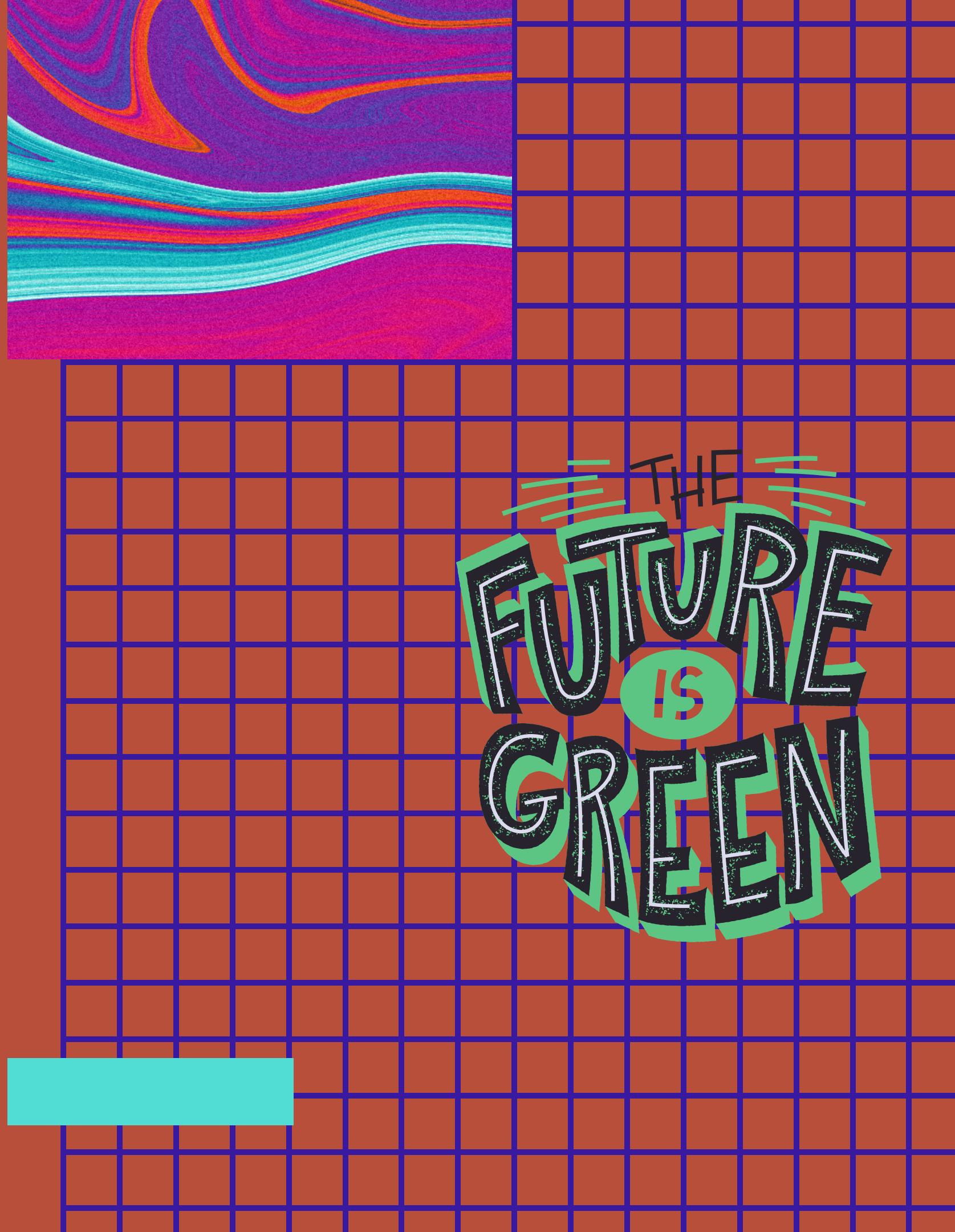


FINAL CONSIDERATIONS

Finally, an application of my project in the future could be in the energy sector where the amount of unused energy produced is sold automatically thanks to the blockchain to those who need it.

So as to create a self-sustainable and clean energy network.

For more technical details on the functionality of the site I recommend visiting the repository on Github link on the next slide



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