

Enabling Prosumers to participate into the Energy Transition SolarCoin

European Utility Week

Amsterdam

October 2017



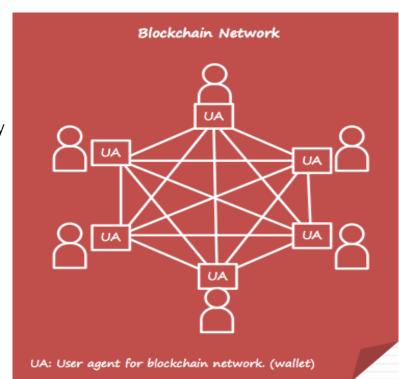


What is a Blockchain?



A Database

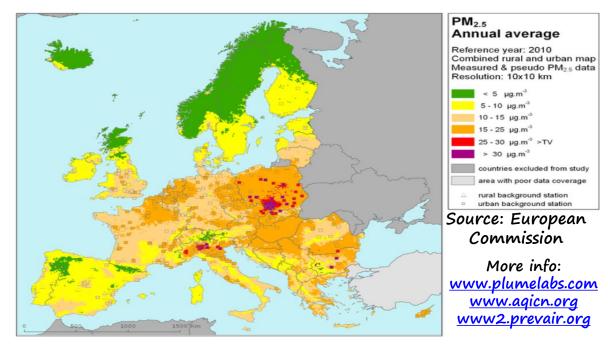
- A Blockchain is a <u>Database</u> for a specific use where EVERYBODY who participates owns a complete copy of it locally.
- No master Blockchain and no central authority for an open Blockchain
- Verification at each stage (every minute) for SolarCoin increases security as "stakers" must verify and exclude the wrong transactions when making a new block, stakers and participants who have the Blockchain must verify a new block when synchronizing.
- Some technology examples:
- voting, sharing, renting, land register, notary deeds, DAO, BitCoin, Ethereum, Government departments....
- R3: Big Banks Consortium developing Private Blockchain for Back Office purposes (Clearing, Settlement and Custody), trading...
- Private Blockchain
- Public Blockchain vs Side-chains







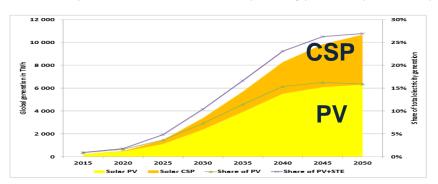
- -Existing Government Subsidy Schemes for solar energy are inadequate
- -Access to finance for small and large-scale solar projects is difficult
- -Pollution levels worldwide are on the rise (particulate matter PM2.5 and PM10, Nox...)





Solar Industry

- 300GWp at end 2016 vs 7GWp in 2006
- 7 million Solar Facilities worldwide
- Increasing to +200million (household) according to IEA and BNEF figures and 5500GWp by 2040
- Trends in target market, growing 20-35% p.a
- Zero knowledge proof and trustless data for a sector that really needs innovation. (Energy/Utility sector)

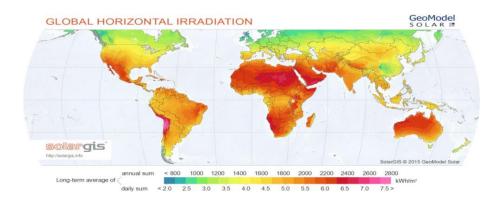


Market Indicators





7 million solar generators in the world





Market Overview



















"ElectraSeed" based on Swarm Electrification

In-home optimization & accounting for

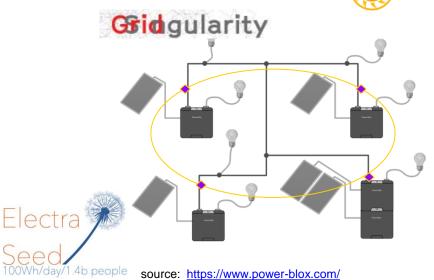
adaptive pricing



ENERGYUNLOCKED

Local marketplace for P2P exchange

incentives for O&M







SolarCoin works like a global airmiles reward program for solar energy producers; counterintuitively the more people claiming those airmiles, the more they are worth in \$'s. Registering is done at www.solarcoin.org



SolarCoin is at the basis of a virtuous circle in creating value into the solar energy industry and economy

Comes on top of Government-backed subsidies

Coupled to Carbon Credits

SLR Blockchain is POST, uses 3% of Blockchain energy and stakes at 2% interest



How can you get involved





Solar Producers

- Register your installation to start earning Solar Coins
- Track Solar Coin prices and trade them on public Exchanges.



Solar Installors

- Get solar producers to register and claim their SolarCoin and get up to 5% of these SolarCoin
- Distribute SolarCoin-ready dataloggers and inverters.



Solar Manufacturers

- Embed SolarCoin technology in your Hardware
- Get it certified by SolarCoin Foundation
- Include this as a value-added feature



1416×

25s

11m 03m

1.132 W

13 kWh 3.13 €





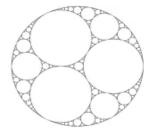


- ➤Integration through monitoring platform, inverters, dataloggers
- ➤ SolarCoins granted to SolarCoin Wallet
- ➤ SolarCoins circulated within the solar industry/montized with Lykke









The ElectriCChain is a global platform to accelerate the growth of solar energy, IoT and Blockchain data technology with impacts ranging from the heights of commercial space and climate change research, to the microgeneration & finance in Africa.



SolarCoin is like a free (!) airmiles reward program for solar generators and given at the rate of 1SLR/MWh. The SolarCoin Foundation aims to power the 3rd Industrial Revolution with clean, cheap solar energy, leaving a better world to future generations.



SolarChange is a web & mobile platform working with the SolarCoin Blockchain in incentivizing and enhancing the use of solar energy worldwide. SolarChange presents smart solar energy monitoring, providing verified, multi-sourced,

smart insights and predictions, for a variety of applications: from residential energy efficiency, to grid-scale energy management.

SolarChange is integrating the IBM Alpha Zone Accelerator program.



Solcrypto acts as Claims Facilitator to the SolarCoin Foundation over the Asia-Pacific region and as a peer-to-peer broker for SolarCoin trades. Solcrypto also provides the bulk of engineering resource for the ElectriCChain projects.



Solcrypto Datalogger



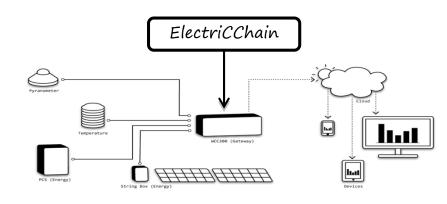
Internet of Things (IoT) Datalogger method that connects to the Blockchain. The device then sends production Data to the corresponding user account, then the affiliate site logs this and uses an API to get claims from the SolarCoin Foundation.

ElectriCChain

S

IOT- Blockchain Datalogger

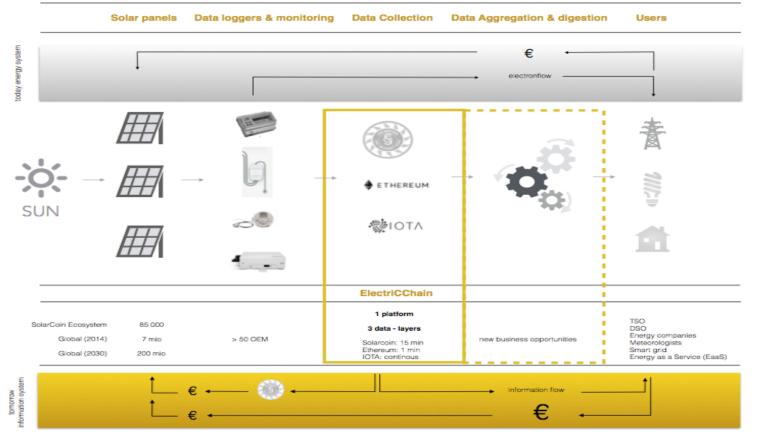
Separately, an blockchain records data IRT. Reflects to SolarCoin blockchain/ElectriCChain: 3nodes





Solcrypto Datalogger







Impacts on Crowdfunding



Crowdfunding solar installs with Bitcoin anywhere in the world







Being rewarded in SolarCoins as additional incentive to initiate the Energy Transition



Partners, Observers & Awards



Lykke

































Thank you for your Attention!

- **Francois Sonnet** Solar Consultant, Based in Andorra, Advisor to SolarChange & SolcryptoJV and Co-Founder ElectriCChain
- Luke Johnson- Expert Solar Engineer, Based in Tokyo, JP, Co-Founder & CEO Sunpulse K.K./ SolcryptoJV & Advisor ElectriCChain
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- Alex Raguet- Renewable Energy Financial Expert, based in La Rochelle, FR, CEO at Lumo-France and President of the European Crowdfunding Network ECN













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Check out the SolarCoin Foundation website at <u>www.solarcoin.org</u> and ElectriCChain at <u>www.electricchain.org</u> and affiliate websites

<u>www.solarchange.co</u> in EMEA&Americas and <u>www.solcrypto.com</u> in APAC regions