SolarCoin Media Kit

Send here your Feedback to the SolarCoin Foundation

Last update, Sept 1, 2017

This media kit includes:
· Organisation details
· SolarCoin description
· Fact sheet
· Resources & specifications
· Community details
· Deko Paper (original white paper concept behind SolarCoin)
· FAQs
· Current activities
· Press releases & announcements
· Press Coverage highlights spanning 30 countries and multiple outlets
· Images for reuse and repurposing (original higher res image available upon request.)
· Contact information

Additional supporting materials can be found at SolarCoin.org. We encourage all interested parties to visit SolarCoin.org, download a wallet and join the growing community.

90 second video on solarcoin
https://www.youtube.com/watch?v=yR9R6R3iaiI

5 minute video explaining where solarcoin gets its value from: Nature of Currency; a theory of network value.
https://www.youtube.com/watch?v=_WD3HW6l6gc
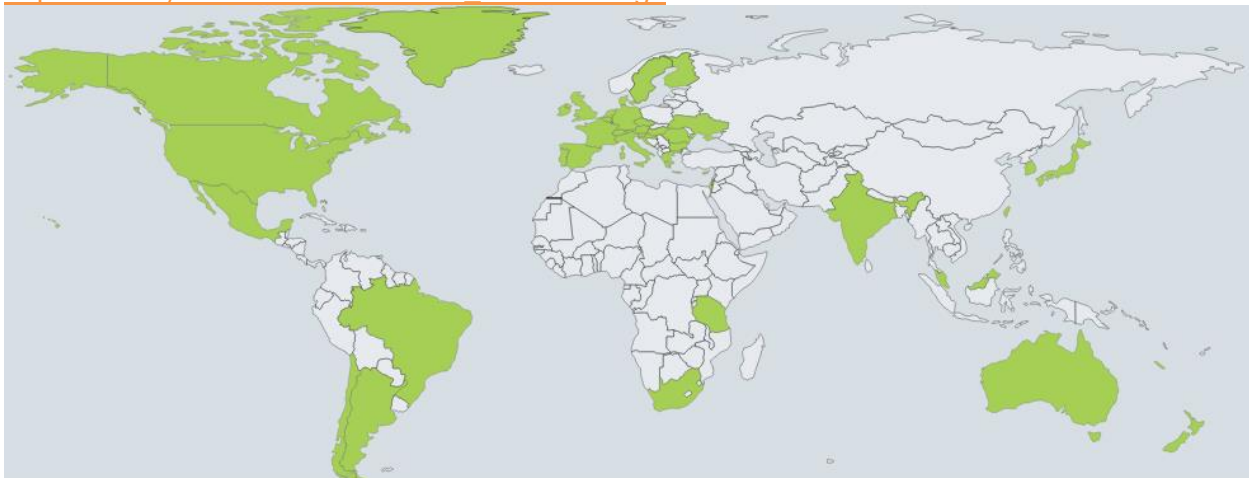
SolarCoins are present in 41 countries with 1.6240.000 SolarCoins granted

Introduction

"SolarCoin is like airmiles for global solar electricity producers" Joseph Zitoli, The SolarCoin Foundation www.solarcoin.org

SolarCoin is a global solar rewards program acting independently and additionally to existing Government-backed subsidies and for a period of 40years, and/or as long as the solar installation delivers solar energy to the Grid.

Solar electricity   +   Digital currency
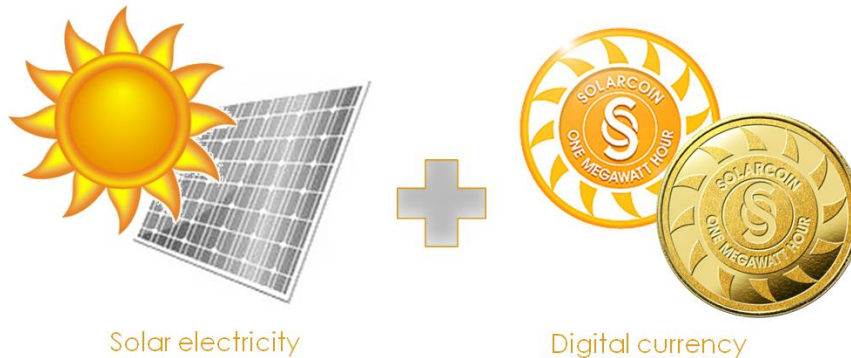
SolarCoin is a Digital Asset created as a means to reward solar energy generation and solar energy producers (both PV and CSP) and incentivize further solar growth throughout the world.

Residential, Industrial, Commercial or Solar Field facility owners may apply for the grants by registering their solar installation online. Photovoltaic facility owners receive **for free** at the rate of 1SLR/MWh, their grant through submitting proof of generating solar electricity. This represents an incentive for producing solar power.

SolarCoin rewards past and current producers for their contribution in having produced solar power and effectively incentivizes future solar producers to purchasing solar panels and generate clean solar power, helping shift the levelized Cost of Energy.

The following related internet websites and companies involved : solarcoin.org, solarchange.co, solcrypto.com, electricchain.org, and electraseed.com
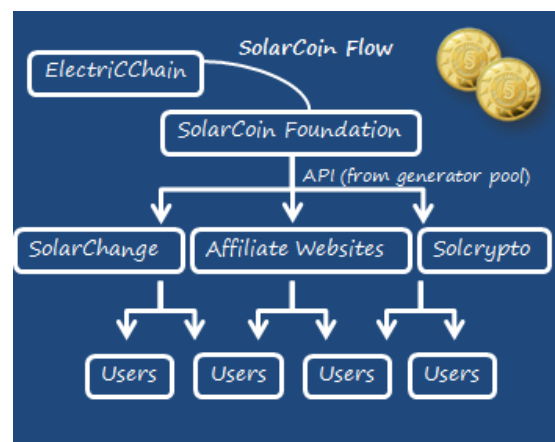
Organization

SolarCoin was created by a group of volunteers to promote solar power generation by creating a currency beneficial to the global environment. SolarCoin is managed as an open community project by Volunteers working together as the SolarCoin Foundation.

Early volunteers have expertise across financial services, social media, community building, alternative energy and international entrepreneurship. The volunteer community is global and growing daily.

US, Israel, Belgium and Japan are particularly active in advocating Solar energy and SolarCoin.

Key early volunteers include:
http://wiki.solarcoin.org/index.php?title=SolarCoin_Volunteers

SolarCoin

SolarCoin works like air miles for solar energy generators. Solarcoins are given out to all solar energy generators wishing to claim them for free. SolarCoins are a currency based on blockchain technology and trade 24/7 on markets. SolarCoins can be traded for Bitcoin and fiat.

Solarcoin prices can be tracked here: http://coinmarketcap.com/currencies/views/market-cap-by-total-supply/

SolarCoin is backed by 3rd party verified meter records of solar electricity generation or for small generators a standardized equivalent metric. SolarCoin is equitably distributed using these proofs of work as a means to reward solar electricity production.

Circa ~34.3 million of SLRs have been awarded to cryptographic miners and ~97.5 billion of SLRs will be awarded to solar owners generating solar energy over the next 40 years. SolarCoin is using a Carbon friendly algorithm using a POST vs. POW for Bitcoin. SolarCoin is 200-300x more efficient than Bitcoin / transaction at scale, taking an estimated 11 KWh for Bitcoin to process a single transaction at peak efficiency. The SolarCoin Energy Model shows that the SolarCoin Blockchain uses only 7% of the BitCoin Blockchain's energy to perform an equivalent transaction:
https://docs.google.com/spreadsheets/d/1QzIA5Nd3pVRGn2c48Oc_dqpImrOfYlwp74UzHXjArdE/edit?usp=sharing

The SolarCoin Foundation manages the allocation of SolarCoins to Solar Electricity Generators and affiliate sites and maintains a public ledger detailing each SolarCoin allocated to solar electricity generators.

The SolarCoin Blockchain explorer is available at https://chainz.cryptoid.info/slr/
SolarCoins are granted at the rate of §1SLR for each MWh of validated solar energy produced and any solar producer may apply.

Fact Sheet

- SolarCoin introduced in January 2014
- Active volunteer community (50+ Solar advocates) in US, Europe and Asia
- Over 35.0 million SolarCoins in circulation to date growing by 5,040 / week. There are an estimated 13,500 SolarCoin wallets downloaded and 1.620.000 SolarCoins have been granted to solar owners in 41 countries
- One SolarCoin is granted for verified proof of generation of one megawatt hour of Solar energy
- Mining circulation model - SolarCoin uses a Proof of Stake model which uses 99.99999% less energy than Bitcoin mining
- Mining will eventually represent less than 0.1% of circulating currency
- Distribution program expected to last 40 years in delivery of 97.5 billion SolarCoins representing 97,500 TerraWatt hours of solar electricity

About Solar Electricity

Solar Electricity may deliver our energy needs for all future generations. Solar Power has achieved "Grid Parity" in many countries across the globe and reflects almost 300 GW of capacity as of end 2016. This means that producing solar energy has become cheaper than producing electricity from traditional fissile and fossil sources, especially when accounting for negative externalities and side effects (CO2 global warming impact, PM2.5 health effects, recycling of nuclear waste) etc.

Today, many developing nations have set targets to produce Solar Power through strict agendas :

- China targets 100 GWp of Solar Power by 2020,
- India has set a 100 GWp of Solar Power target by 2022,
- Saudi is aiming for 10 GWp,
- Egypt is set for 2.3G Wp on the 2017-2019 period

As a comparison, 1 GWp is the equivalent power capacity of 2 small-sized nuclear reactors.

Today, 8 million households worldwide produce solar energy and total installed capacity for Solar Power has reached 300 GWp globally (including CSP) in 2016, with the majority coming from China (45GWp), Germany (40 GWp), Japan (35 GWp), USA (26 GWp), Italy (19 GWp) and the UK (9 GWp)

Parallel to these policies, technology has also caught up and major breakthroughs have been achieved in the Energy Storage which enables the storage of energy needed for delayed consumption. Deployment of a Smart Grid inside Europe and with Northern Africa is a reality.

Resources & specifications

Wallet download http://solarcoin.org/
Technical Specification https://github.com/solarcoin/solarcoin
SolarCoin MarketCap http://coinmarketcap.com/currencies/solarcoin/
Estimate a Claim https://solarcoin.org/en/form-test/

Community Details

Facebook:

LinkedIn:

Twitter:

Join the SolarCoin-Group Slack Channel here: **slack**

Join the ElectriCChain Slack Channel here: **slack**

FAQs

FAQs https://solarcoin.org/en/frequently-asked-questions

Current activities

In 2016, achievements of ElectriCChain and the SolarCoin ecosystem have been:

.   SolarCoin recognized by the International Renewable Energy Agency IRENA as a tool to reward solar installation owners

.   ElectriCChain winning the EPIC (Energy Productivity Challenge) Award at COP22 in Marrakech, with project ElectraSeed, www.electraseed.com

.   SolarCoin Foundation, via ElectriCChain, represented as Member at European Solar Association, SolarPowerEurope, based in Brussels, Belgium, and taking part to the Digital Task Force

.   Onboarding of 3 Solar Monitoring Platforms: Lumo-France (www.lumo-france.com), Smappee (www.smappee.com) and Tecsol (www.tecsol.fr), reaching out to +12.000 solar installations (2017),

.   Commencing trading on Swiss Exchange www.lykke.com for SLR-CHF, SLR-EUR, SLR-USD, SLR-GBP and SLR-JPY trades,

.   Gaining observation from established institutions such as the European Crowdfunding Network and the Sunspec Alliance, and IBM (Hyperledger/Watson),

.   Delivering on Proof of Concepts for Raspberry Pi, Datalogger technology and Inverter integration, and API for Solar Monitoring companies onboarding

Current work in progress includes:

·   SolarCoin awards to 10.000+ Solar generators
·   Affiliates developing web-based wallets and
.   Affinity group & charity outreach marketing program
.   Electricchain.org and ElectraSeed project IOT, Blockchain & Solarenergy incubator
.   Development of affiliate program in US, MENA, Africa, Asia and Europe

Press releases & announcements

Press releases to date include:
See news released at http://solarcoin.org/en/news/

SolarCoin has received significant media attention in a very short period of time, including articles in alternative energy media, entrepreneurial and scientific publications such as The New Scientist. https://solarcoin.org/en/solarcoin-news

Works from the SolarCoin ecosystem have been documented in the following news agencies, +30 countries and +100 articles:

List of articles available here

Register to the SolarCoin newsletter here

Media partners

English: Jason Deign: mail@jasondeign.com and jason@energystoragereport.info

SolarCoin Trading

Partner Lykke, a Swiss Fintech company dedicated to building a global marketplace for trading all classes of financial assets on the blockchain, has integrated the SolarCoin digital asset into the Lykke Exchange.

The Lykke trading application can be found in the Apple Appstore or Google Play:
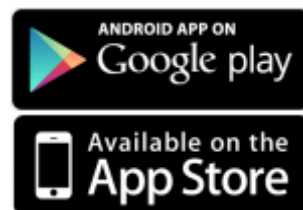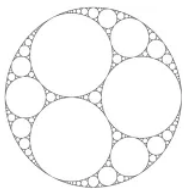

For more information, visit:

Partners and Observers:

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 micro-generation & 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.

Industrial Partners and Observers

The SunSpec Alliance

The SunSpec Alliance is a trade alliance of over 70 solar and storage distributed energy industry participants, together pursuing information standards to enable "plug & play" system interoperability and monitors 3.800 solar installs in the US. SunSpec is in charge of standardizing communications protocols and partnering with the SolarCoin ecosystem on this.

Cloud Industries

One of the leading firms in the European information systems market. The company has developed and installed an advanced monitoring and control system including equipment for industrial, security ,safety-fire detection and renewable energy applications.

European Crowdfunding Network

The European Crowdfunding Network supports initiatives aimed at innovating, representing, promoting and protecting the European crowdfunding industry and aims to increase the understanding of the key roles that crowdfunding can play in supporting entrepreneurship of all types, through participating with the SolarCoin Network and Lumo-France..

Lykke

Lykke is a single global and seamless marketplace, where any asset can be traded and provides foreign exchange, expanding to equities, fixed income, commodities and other asset classes. Lykke Corp is incorporated in Switzerland and issued it's shares on the blockchain (Lykke Coins) a couple months back.

IRENA

The International Renewable Energy Agency (IRENA) is an intergovernmental organisation that supports countries in their transition to a sustainable energy future, and serves as the principal platform for international cooperation on renewable energy. IRENA has recognized SolarCoin as a reward for solar owners.

SolarPowerEurope

SolarPower Europe (European PV Industry Association) is an association representing organisations active along the whole solar value chain, with the aim to shape the regulatory environment and enhance business opportunities for solar power in Europe. The SolarCoin Foundation, through ElectriCChain, is a member of SolarPowerEurope.

Smappee

Smappee develops innovative solutions that foster sustainable energy consumption with Datalogger technology and is the first solar monitoring company to integrate SolarCoin to its platform.
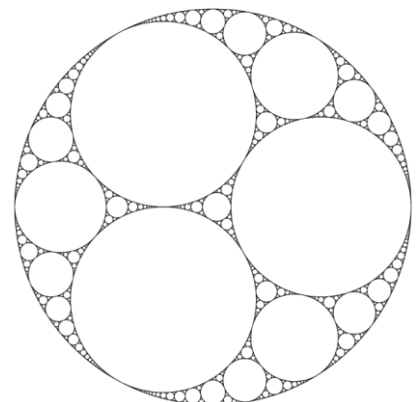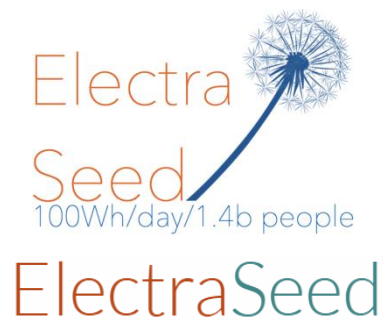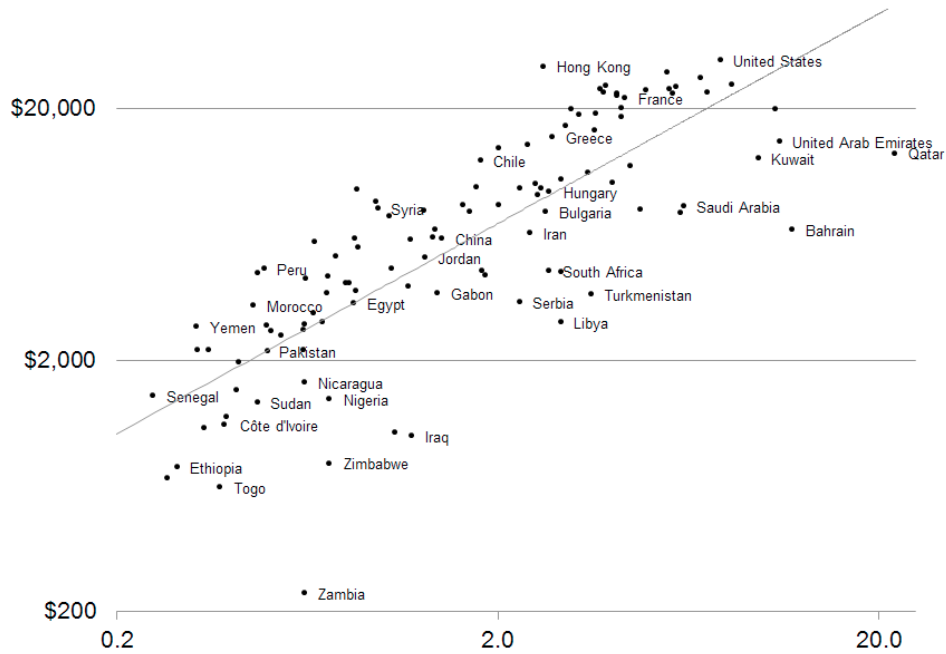
Other Industrial Observers and Partners include:

Images, Logos&Stickers

SolarCoin: These are rendering of what SolarCoin could look like. All images are free to use creative commons license with rights of attribution only. Stickers available for order **here**

Per Capita Annual GDP $ vs. Metric Tons of Oil Equivalent (MTOE)
Source: 2006 OECD & World Bank

SolarCoin difference from Bitcoin Table

SolarCoin is not a replacement for Bitcoin. It is a complementary currency using Bitcoin technology implemented to incentivize global Solar electricity generation over the next 40 years.

SolarCoin		Bitcoin
Incentivize global solar electricity for the next 40 years.	Goal	Create a decentralized currency
SolarCoin Foundation	Originators	Satoshi Nakamoto
2014	Launch date	2009
Open source community	Project support	Open source community
98.04 billion	Maximum issuance	21 million
>34.7 million	Current circulation	>14 million
Est. 600,000	Next years circulation increase	Est. 1 million
Free market supply & demand	Currency target value	Free market supply & demand
paper wallets (bills).	Physical format	Coins & paper wallets (bills)
(Proof of Solar 1MWh generation, energy grants) & proof of cryptographic stake by SolarCoin Foundation & algorithm	Equitable circulation methodology	Proof of cryptographic work by algorithm
1 MWh of solar electricity generation	Value representation	na
Windows, Linux & MacOS (Android and iOS soon)	Operating Systems	Windows, Linux, MacOS, Android & others
Pseudonymous	Currency Holder	Pseudonymous

	Anonymity	
Unknown	**Largest holder of circulating currency**	Unknown
SolarCoin Foundation	**Largest holder of reserve currency**	na
see exchange	**Market value**	see exchange
1440 blocks (daily)	**Difficulty adjustment**	2016 (2 weeks)
now POST(Proof of stake time)	**Initial (current) block reward**	50 BTC
SCRYPT (soon to be PoST - proof of stake-time)	**Hashing Algorithm**	SHA-256
NA	**Block reward decay rate**	50% every 4 years
2014	**95% public mining done**	17 years
2040-45 (estimate based on Solar Energy production)	**95% in circulation by**	2026
LiteCoin source code fork w/Florincoin TX 253 character message support, & VeriCoin PoST	**Source Code**	Bitcoin original source

Contact information

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Affiliates

Solcrypto   SOLAR CHANGE   ElectriCChain

Start accepting SolarCoin for your business:

SolarCoin (SLR)
Accepted here:

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