

### One Megawatt Hour One SolarCoin



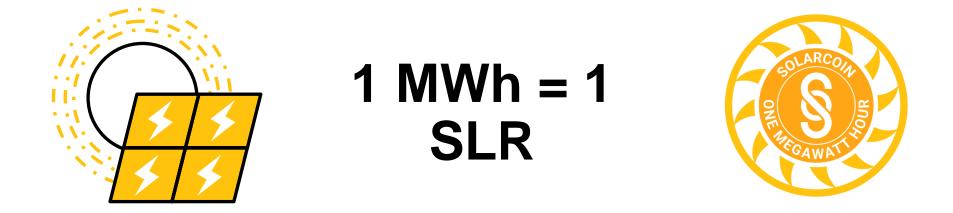
### WE NEED TO

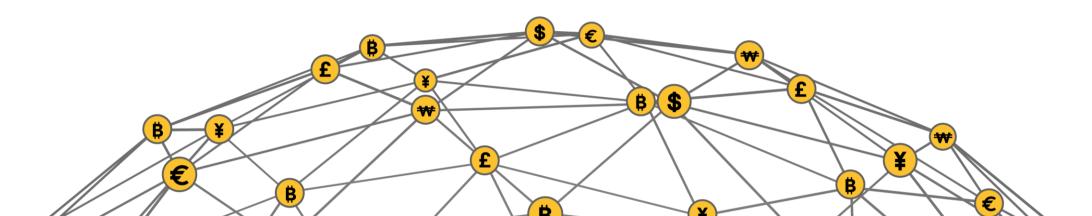
# ACCELERATE

### THE ENERGY TRANSITION

REWARDS DRIVE ACTIONS

# SolarCoin is a currency for the solar energy economy





### Anyone can use SolarCoin



Solar facility owner gets one SolarCoin for each verified MWh

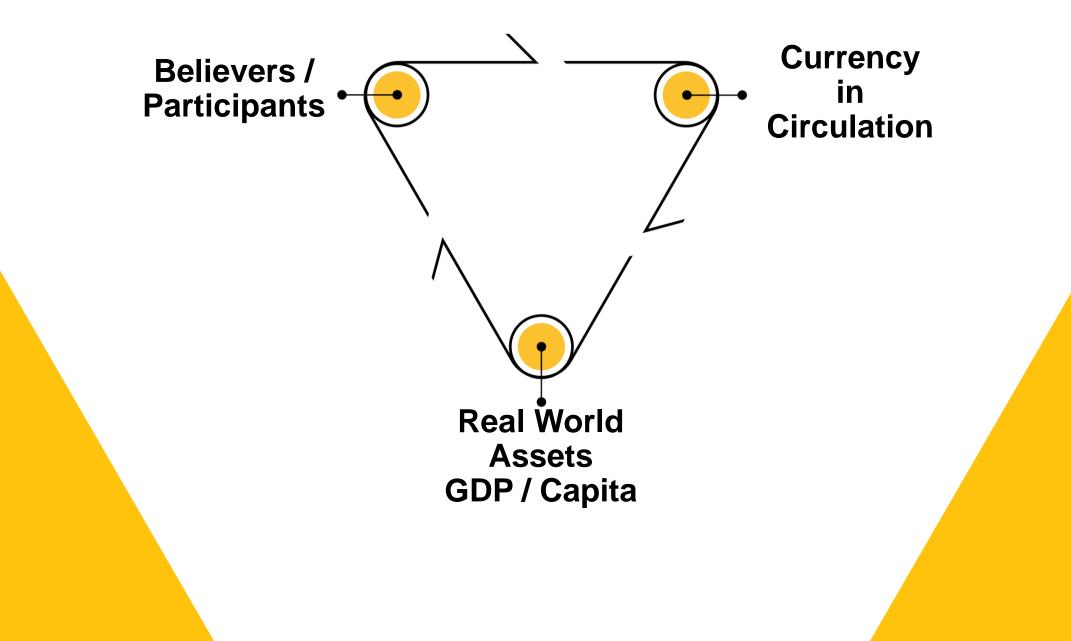






### Why is SolarCoin worth something?

Currency	Nodes / users (mm)	Market Value (\$ bn)	Value / user * (* Adjusted for GDP / capita)
USD (global)	1,500	\$ 3,825	\$ 2,550
EUR	742	\$ 939	\$ 2,188
GBP	66	\$ 112	\$ 2,466
WON	51	\$ 89	\$ 3,656
RMB	1,379	\$ 1,173	\$ 6,018
AUS	24	\$ 84	\$ 4,006
GOLD	6,000	\$ 7,710	\$ 4,674
BTC	35	\$ 182	\$ 3,171
SLR	0.006	\$ 0.010	\$ 1,600



# Doing good



Empowered lives. Resilient nations.

POWER ONE FOR ONE



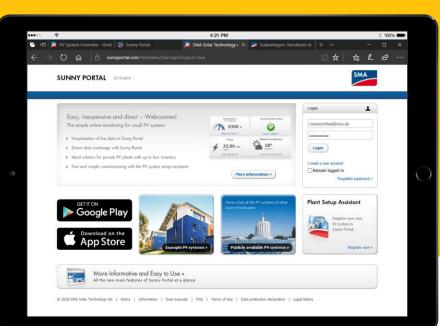
### Donate to spread the sunshine

TCWA POWER

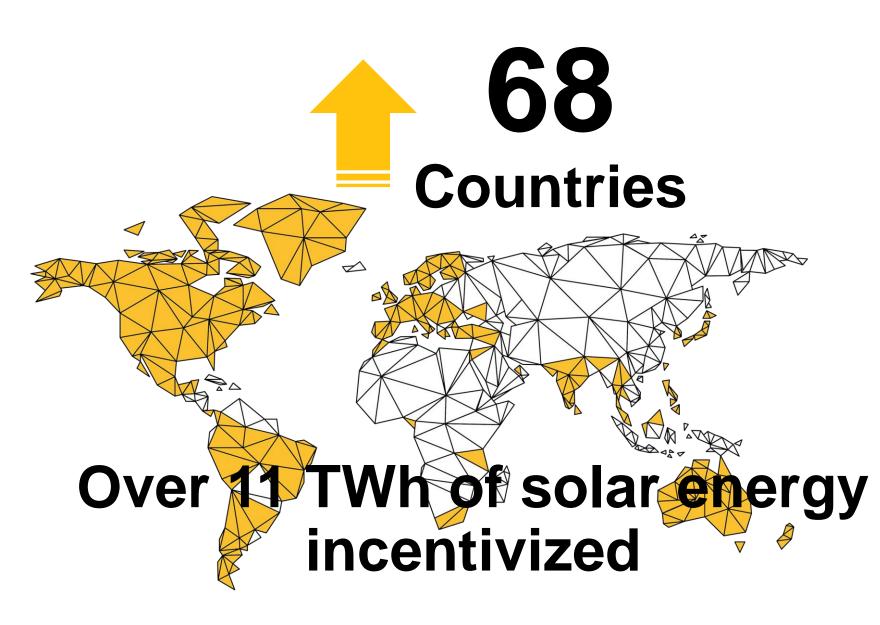


### Who is involved?

### World's largest solar economy participants more joining every day







*Claim now* get SolarCoin for energy generated back to *Jan 1, 2010* 

SolarCoin.org

**Growing fast** 

# **Fully Funded Solar Lease**



FOR A 476,93kWp PV SYSTEM FOR THE UNIVERSITATEA TECHNICA, CHISINAU, MOLDOVA



Signatory to the 20 year lease with Sun Exchange Key Contact: Viorel Bostan



Solar PV equipment procurement, installation and maintenance services to Sun Exchange for the UTM project *Key Contact: Jan Maresovsky* 



UNDP in Moldova assists in project permitting processes in Moldova. Promote fund raising for the project on behalf of the UNDP *Key Contact: Dumitru Vasilescu* 



Solar leasing company from which UTM will sign 20 lease. Leads fund raising on behalf of the UTM project.

Key Contact: Abraham Cambridge



Provides project management between the parties. Facilitates registration with SolarCoin such that UTM receives 1SLR per MWh of solar energy produced *Key Contact: Francois Sonnet* 





## **Project Specifics**





#### DC Specification:

- Array size: 476.93 kWp
- Modules: Jinko Solar 275 Wp

Mounting Structure: Rail structure

#### Inverter Specification:

- Sungrow SG33KTL-M
- DC switch: Yes
- Surge protection: Type 1 AC & DC surge protection

#### AC Specification:

- Grid Integration: Grid-tied at local Main-DB with grid limiting measured at Main-DB

#### Control System:

- Monitoring & Control System: Solar Log 1200
- Communications over local internet (Ethernet) to be provided by the University

#### Energy yields at P50:

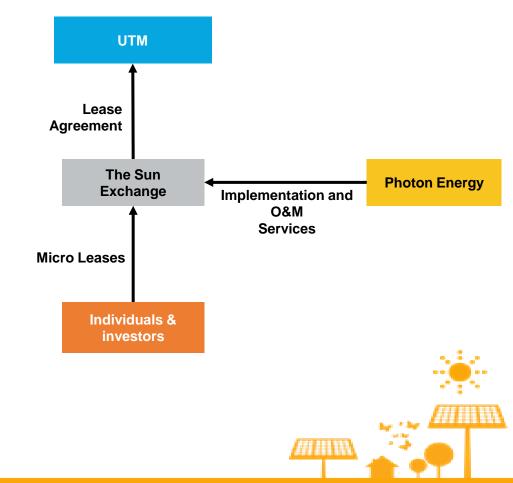
- Annual production: 552 MWh/year



## **Operating Lease**

SIMPLE COMMERCIAL STRUCTURE WITH COMMITTED SAVINGS

The lease:	Operating lease of a 476kWp solar plant for the UTM, Moldova		
Lease term:	25 years		
Year 1 lease rate:	MLD 1.95/kWh		
Annual cost escalation:	6% (CPI + 1%)		
Assumed Year 1 Solar Production:	552 00kWh		





## **Benefits of SunEx Lease**

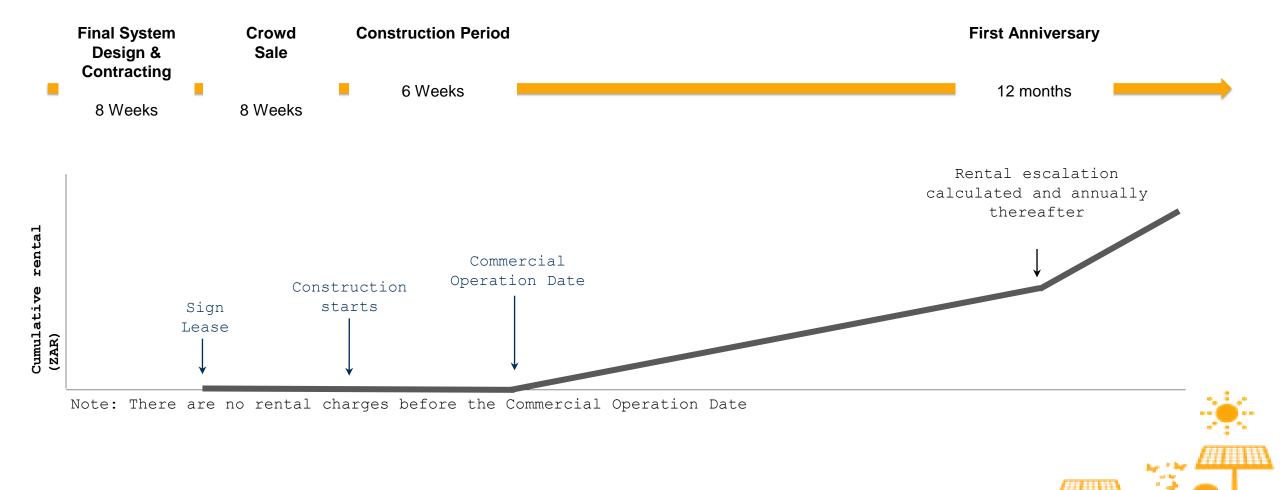
HOW IT WORKS FOR UTM

- \* Zero upfront payment
- \* Lease payments charged by measured kWh self-consumed
- \* Day 1 savings from existing tariff and for duration of 25 year lease
- \* Usage costs to escalate with at CPI: guaranteed lower energy bills for 20 years
- \* Fully insured and maintained for the lifespan of the project
- \* Billing monthly or pre-paid
- \* Community driven model provides a publicity and marketing opportunity





## Timeline





### Solar Cell CrowdSale Overview

HOW IT WORKS FOR THE SOLAR CELL OWNERS

- \* Anyone can purchase solar cells at a cost of MDL 97.00 per unit.
- st The solar plant is leased to you for a period of 25 years.
- Solar cell owners receive payments once per month paid optionally in Bitcoin with SolarCoin bonuses.
- st Lease payments are automated and users receive all statements electronically.
- Solar cell owners can monitor the solar plant performance in real-time through The Sun Exchange dashboard.

"I have a keen interest in renewable energy, as well fintech and the future of blockchain; therefore I was immediately attracted to this innovative business model. The opportunity to democratize the access of solar is truly revolutionary!" Sun Exchange User



# **Deal Summary**

Zero

**Upfront Investment** 

1.95

Year 1 tariff in MLD/kWh

ero	Ze	ro	<b>25%</b> Of current power moved to solar		J.M.
nvestment		port and insurance osts			EXPERTS FOR THE SOLAR AGE.
95	6%		R45k		Empowered lives. Resilient nations.
in MLD/kWh	Annual tariff escalation		Average annual sav	energy ings	
12 000		4		ElectriCChain	
Tonnes of CO2 avoided		Months to go-live			

### **Thank You**

# Connect at francois.sonnet@electricchain.org

