

MEET THE DUTCH AT SXSW 2018

CELEBRATE TOP NOTCH DUTCH CREATIVITY AND
ENTREPRENEURSHIP



CREATIVE
#OLLAND



ROTTERDAM.
MAKE IT
HAPPEN.

DELL EMC

MEET THE DUTCH CHANGEMAKERS!

3PM-4PM PANEL

4PM-5PM SHOWCASE

HRH PRINCE CONSTANTIJN VAN ORANJE

MARLOES POMP

ARASH AAZAMI

ARTHUR MELISSEN

StartupDelta 





Blockchain in the Public Sector

The Dutch approach

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CALL +31 6 10810308

www.blockchainprojects.nl



BLOCKCHAIN PROJECTS
DUTCH GOVERNMENT

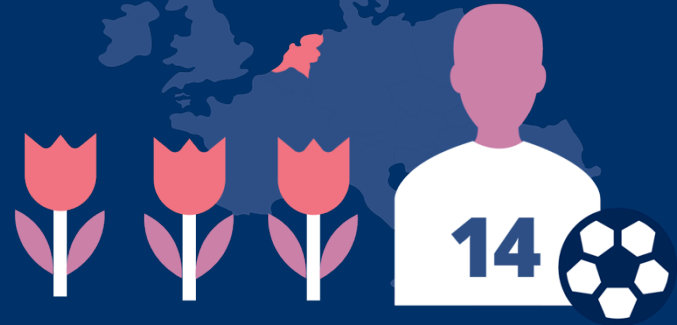


The Netherlands

- Small country, below sea level, surrounded by larger neighbouring countries

WE ALSO INVENTED

- Bluetooth
- Wifi (Cees Links)





The Netherlands

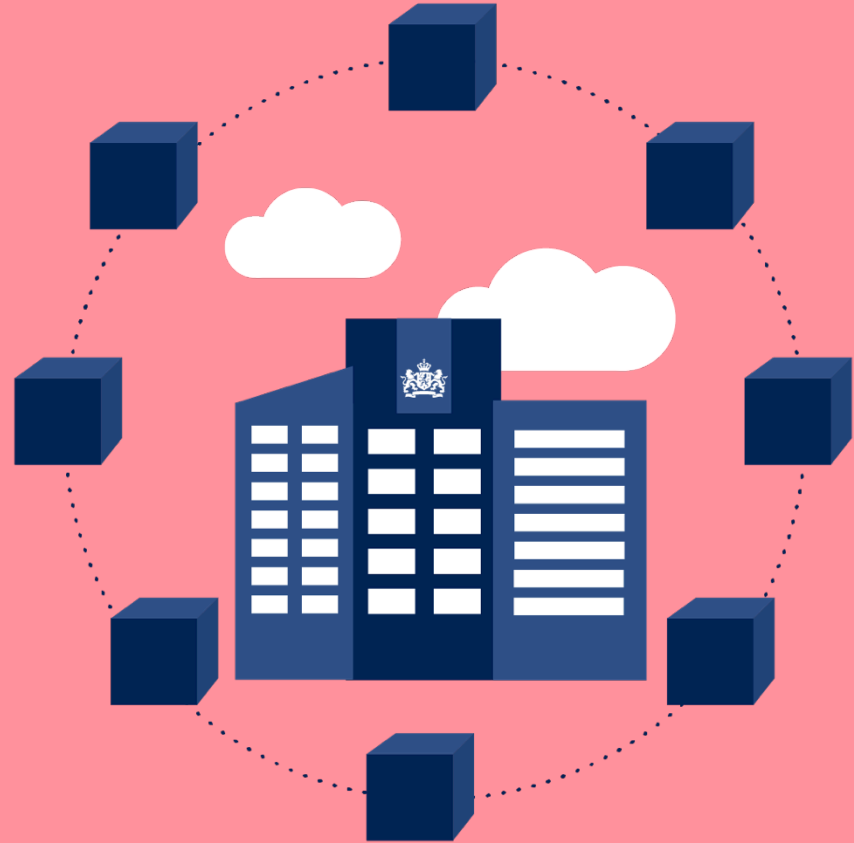




The Netherlands:
where private-public
collaboration
has its own verb.

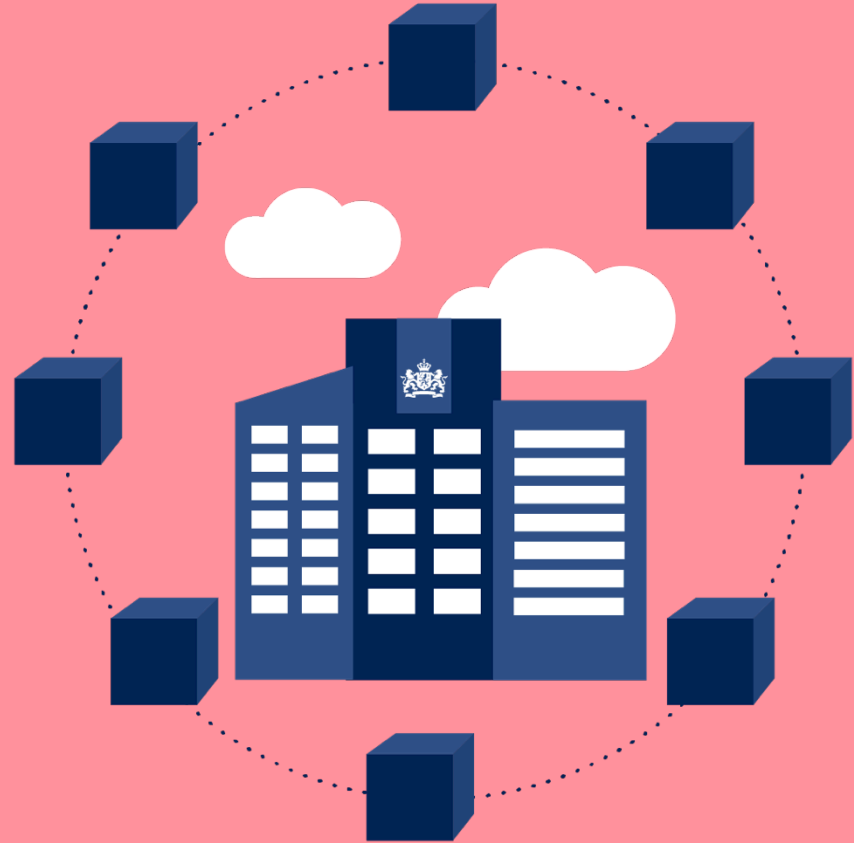
“polderen”

Public sector as driving force of the blockchain ecosystem



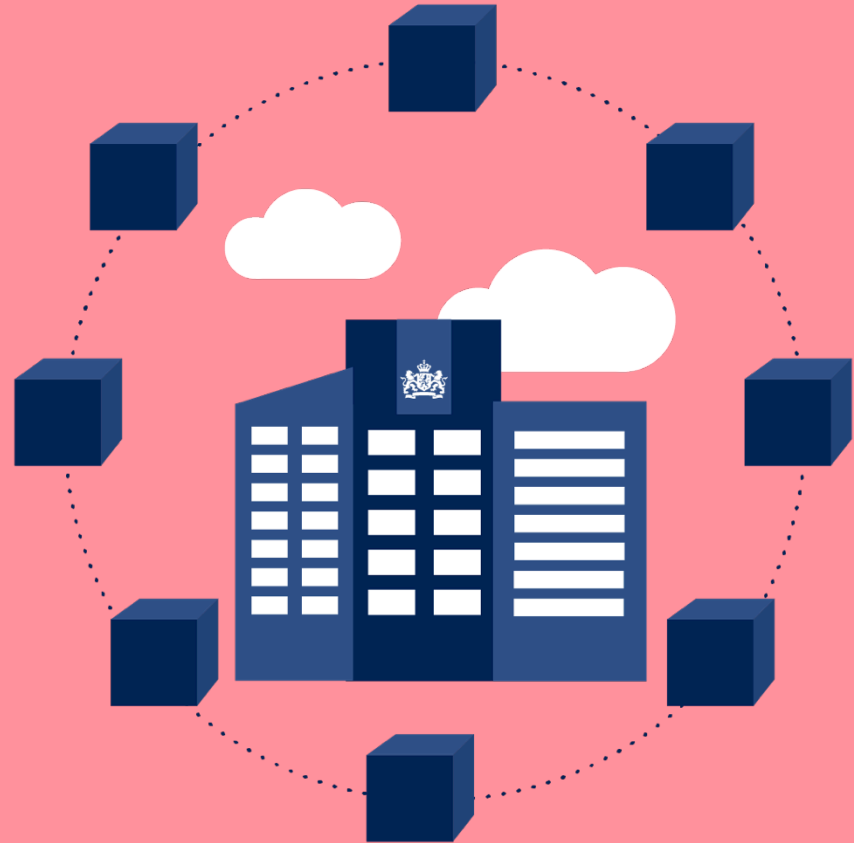
Blockchain Coalition

- Government
- Corporates
- Startups
- Universities

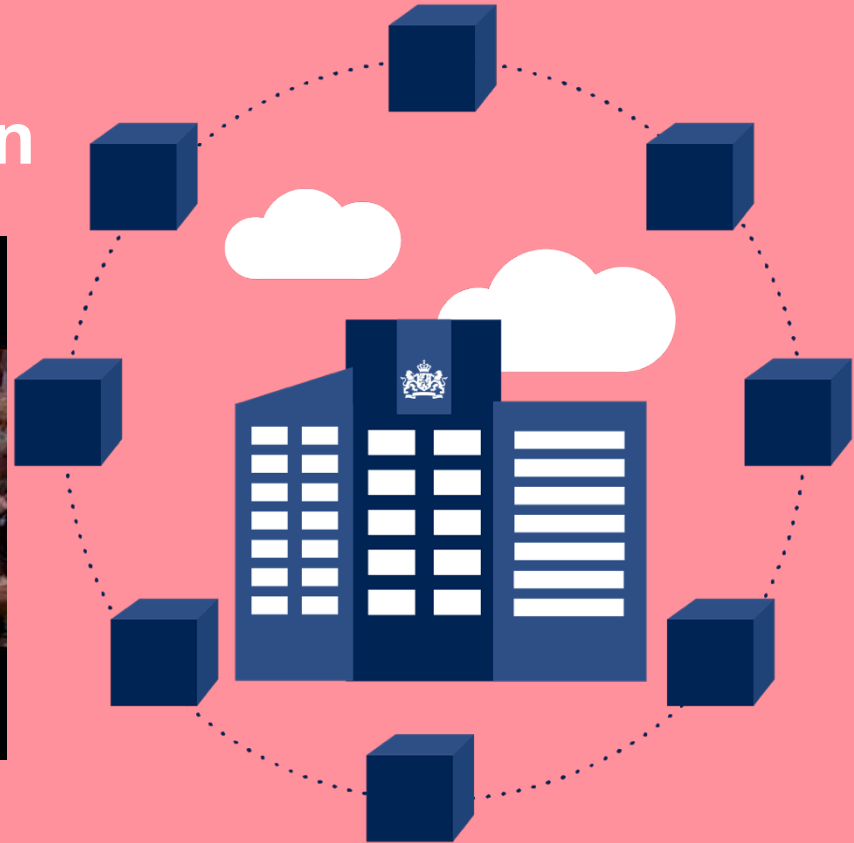


Fieldlabs:

- Financial
- Health
- Logistics
- Public Services
- Energy



Blockchain Hackaton





2016 Top managers of the central government request us to setup a pilot program



2016 - 2017

- 3 pilot rounds
- 35 pilot projects
- new projects every month

PARTICIPANTS

- Ministries
- Municipalities
- Other: Land Registry, Tax Agency





Results



More than
35 use cases



More than a
dozen working
prototypes



Large inter-
governmental
blockchain
network



Large private sector
blockchain network
(both in The
Netherlands and
abroad)



Blockchain
“polderen”:
activated



Examples of projects



Transport of
Toxic waste



Rethinking of
our income tax
system



Self Sovereign
Identity



Shared ownership
of real estate



Autonomous
objects in public
space



Autonomous objects in public space





The Netherlands





The Netherlands

The screenshot shows the top portion of the Rode Kruis website. At the top left is the Rode Kruis logo, consisting of a red cross and the text "Rode Kruis". To the right of the logo is a navigation menu with the following items: "Doe mee", "Hulp in Nederland", "Hulp wereldwijd", "EHBO", and "Over ons". Further right are three buttons: a "Menu" button with a hamburger icon, a red "Doneer" button, and a "Zoek" button with a magnifying glass icon. Below the navigation is a large red cross logo followed by the text "Rode Kruis" in a large, grey, sans-serif font. In the bottom left corner of the page, the word "PERSBERICHT" is written in a small, grey, sans-serif font.



The Netherlands




Activatiecode
Login

Zuidhorn. Kindpakket

Welkom op de website van het kindpakket Zuidhorn. Het kindpakket is een jaarlijks ondersteunende regeling voor kinderen in de gemeente Zuidhorn.

[Lees meer over hoe het systeem werkt](#)

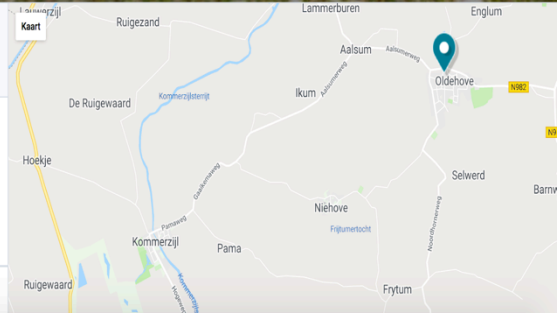
We hebben 12 winkel(s) gevonden.
 Selecteer een winkel om de locatie en details te tonen.




PC Hulp Oldehove

Adres: Kerkpad, 3, 9883PK, Oldehove, Nederland
 Telefoonnummer: 06 4975 2335

Openingsstijden:
 Ma: 09:00-17:00, Di: 09:00-17:00, Wo: 09:00-17:00, Do:
 09:00-17:00, Vr: 09:00-17:00





Joy House Of Brands

For blockchain to unleash its full potential, different technical pre-conditions need to be met, making it a medium- to long-term solution

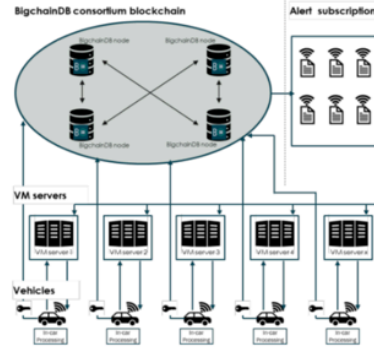
Short-term: centralized solution



Benefits: all architecture components available today

Assumptions: centralized server and single point of failure risk is not a problem

Mid-term: decentralized validation server

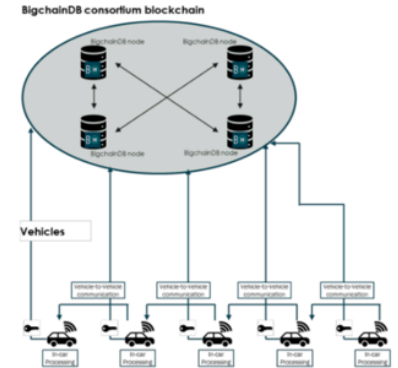


Benefits: single point of failure risk and dependence on central server significantly reduced

Assumptions: Vehicles can have an in-built processing layer and a private key embedded via OEMs

Potential PoC: Simulate vehicle alerting & processing via vehicle simulation software

Long-term: vehicle-to-vehicle communication



Benefits: Fully decentralized solution with no single point of failure

Assumptions: Vehicle-to-vehicle communication for alerting is technically possible and embedded via OEMs

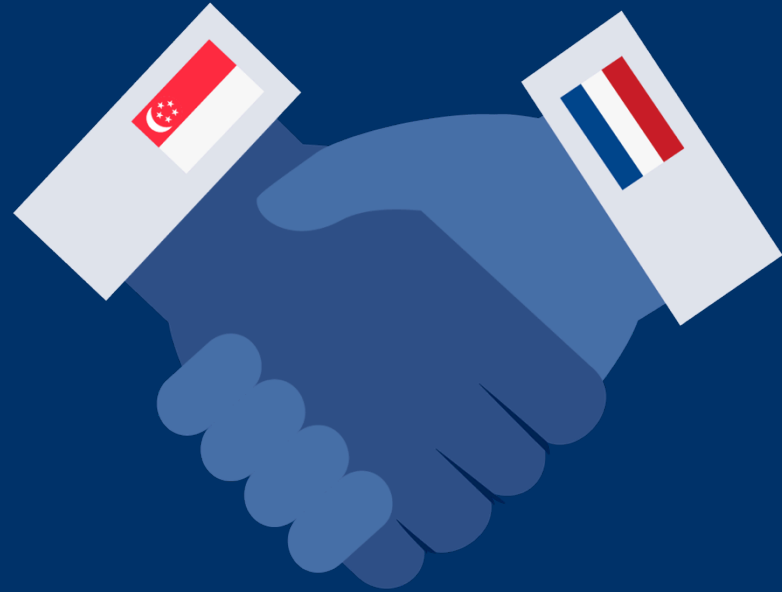
Potential PoC: Simulate vehicle-to-vehicle communication & processing via vehicle simulation software

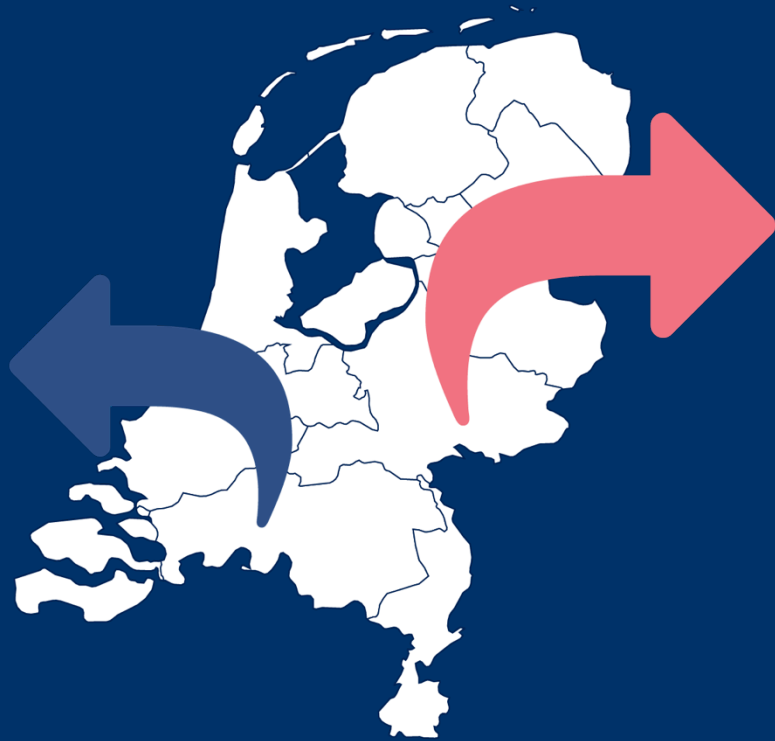


Our plans for 2018

Formalize partnerships

Establish a partnership between
Singapore and The Netherlands





Our plans for 2018

Develop projects outside of The Netherlands

Export knowledge to other countries

The Netherlands' International Blockchain Collaboration

Do you want to add a public sector blockchain ecosystem to the map?

Send us an email:

koen@blockchainprojects.nl
marloes@blockchainprojects.nl

THE NETHERLANDS

- Dutch Blockchain Coalition (private public partnership) launched in 2016
- 50 blockchain projects run by the Dutch Government

CANADA

Working together to unlock the potential of self sovereign identity for secure and seamless travel.

SCANDINAVIAN COUNTRIES

Scandinavian Blockchain Association (private public partnership) launched in 2017

- Collaboration & joint hackathon in 2018
- Interreg project that involves municipalities in the Netherlands, Germany, Belgium, Sweden and Denmark.

NEW YORK:

UNITED NATIONS

Blockchain projects launched by several UN Agencies (2016-ongoing)

- Book on the legal aspects of Blockchain (in collaboration with UNOPS)
- Blockchain mission (September 2018)

BRUSSELS:

EUROPEAN UNION

EU Blockchain Observatory and Forum (2018)

- Working with Benelux and the EU Commission to co-create the right conditions for the advent of an open, innovative, trustworthy, transparent, and EU law compliant DLT driven data and transactional environment.

MALTA

Malta Blockchain Strategy Taskforce 2017

- Collaboration on diploma's and certificates

DUBAI

Ambition: the first blockchain-powered government in the world by 2020

- Participates in several conferences, first meetings with the government

INDIA

First Hackathon + Roadmap (Feb 2018)

- Working on a blockchain MOU + joint projects

SINGAPORE

FinTech hub
Clear regulations for ICO's (Nov. 2017)

- First Blockchain- trade mission (Nov 2017)
- 3-year collaboration between NL and Singapore on blockchain and security

WASHINGTON DC: WORLD BANK

Start of the World Bank Blockchain Lab (2017)

- Blockchain side event during the spring meeting of the World Bank
- Pilot with the World Bank on Palm Oil



Our plans for 2018

Publish two books



- Book on blockchain use cases for the public sector
(collaboration The Netherlands/ Belgium)
- Book on the legal aspects of blockchain
(collaboration with the United Nations and a consortium of lawyers and blockchain experts)

THANK YOU

Do you want to help grow a **global public sector blockchain ecosystem?**

GET IN TOUCH



BLOCKCHAIN PROJECTS
DUTCH GOVERNMENT

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UNIVERSAL
RIGHT

Energy as Currency and the Flow Economy

universalright.org

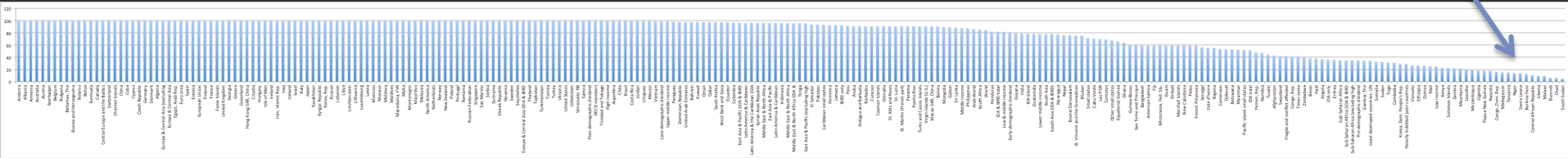
@arashaaz

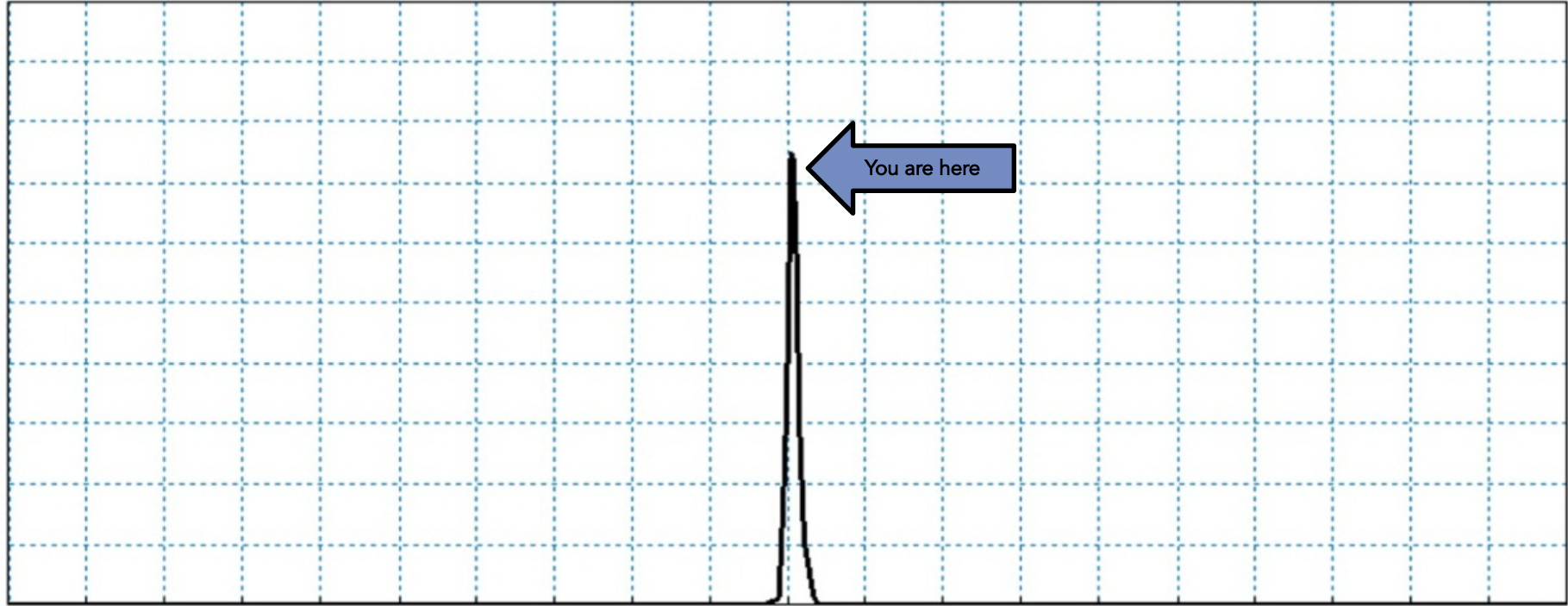


UNIVERSAL
RIGHT

why our energy system
does not work:

...while the sun alone shines
1.437 times our energy needs
on the earth's surface





Fossil fuel consumption (8000BC to 12000AD)

a society that creates value out of
100% renewable energy resources is
not a choice, but an inevitability

why our monetary
system does not work:



speculative economy:

98% of investments

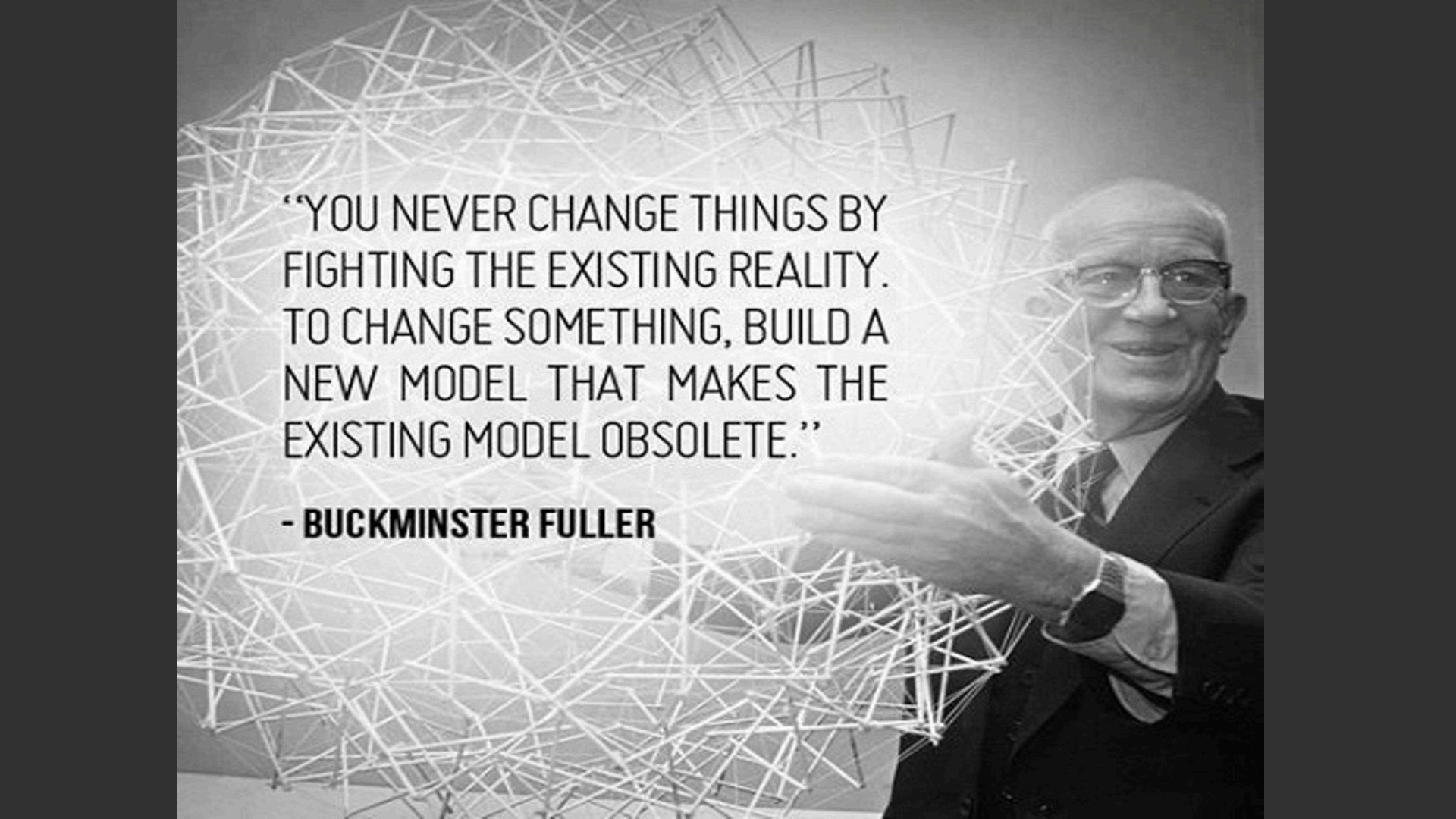
real economy:

2% of investments



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- positive interest: incentive to both spend and hold on to currency
- economy of centralists and oligarchs



“YOU NEVER CHANGE THINGS BY
FIGHTING THE EXISTING REALITY.
TO CHANGE SOMETHING, BUILD A
NEW MODEL THAT MAKES THE
EXISTING MODEL OBSOLETE.”

- **BUCKMINSTER FULLER**

energy as currency

energy = the ability to
do work

energy is the
principal currency for
the real, tangible
economy

global standard

real

energy flow economy

negative interest

flow

what we build:

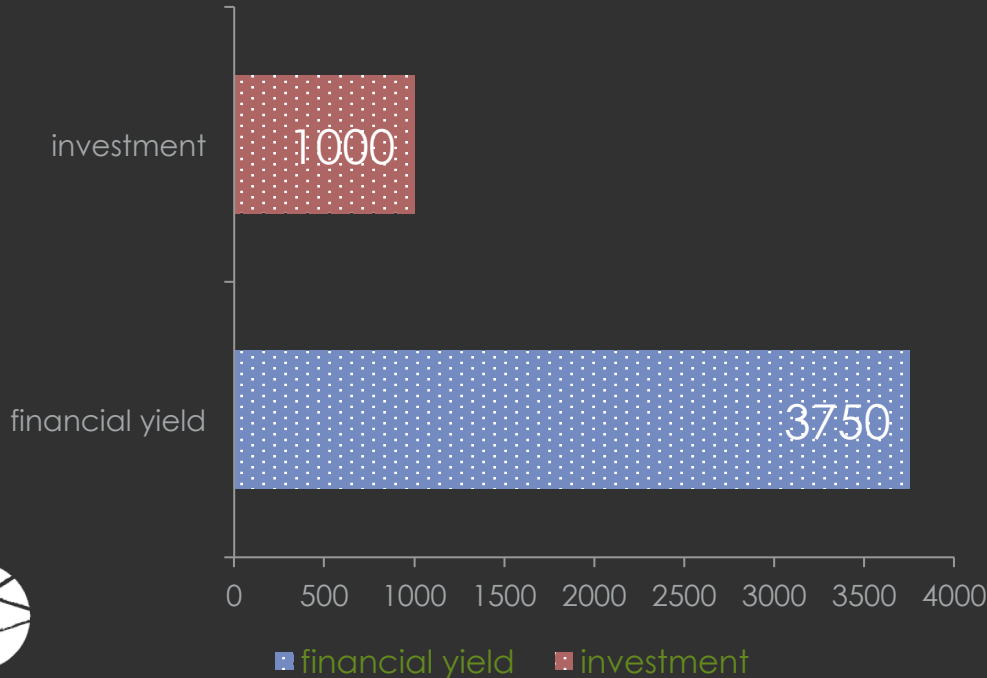
- global digital renewable energy investment platform
- enabling exponential growth of renewable energy generation
- using nothing more than the abundance present in nature



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ROI

Solar panels: financial yields

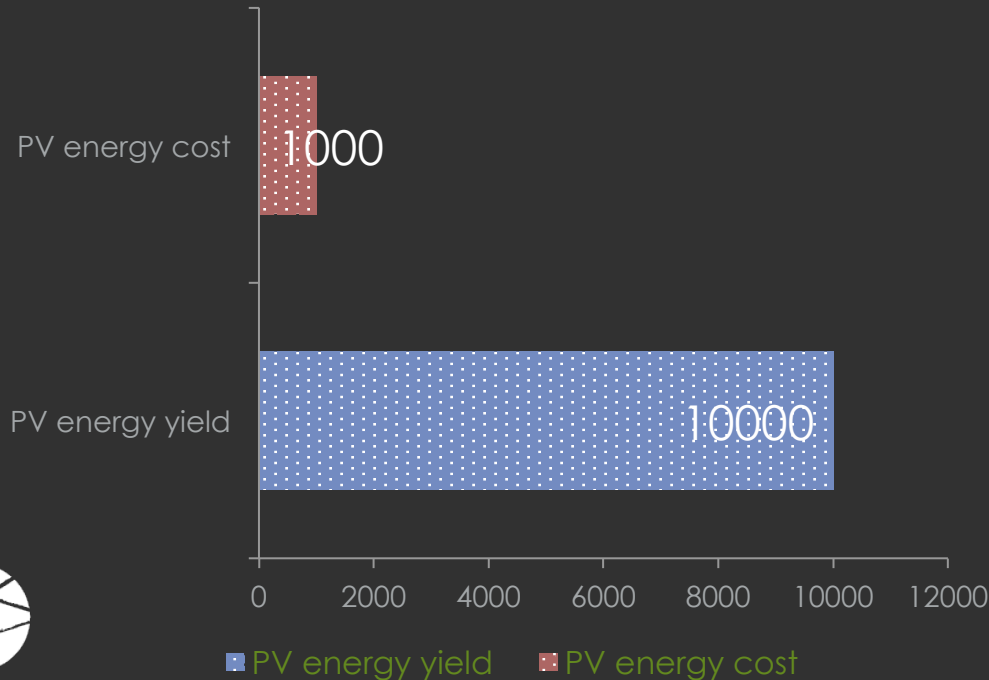


Today € 1.000 invested into solar panels results in € 3.750 in financial returns over their lifetime



EROEI

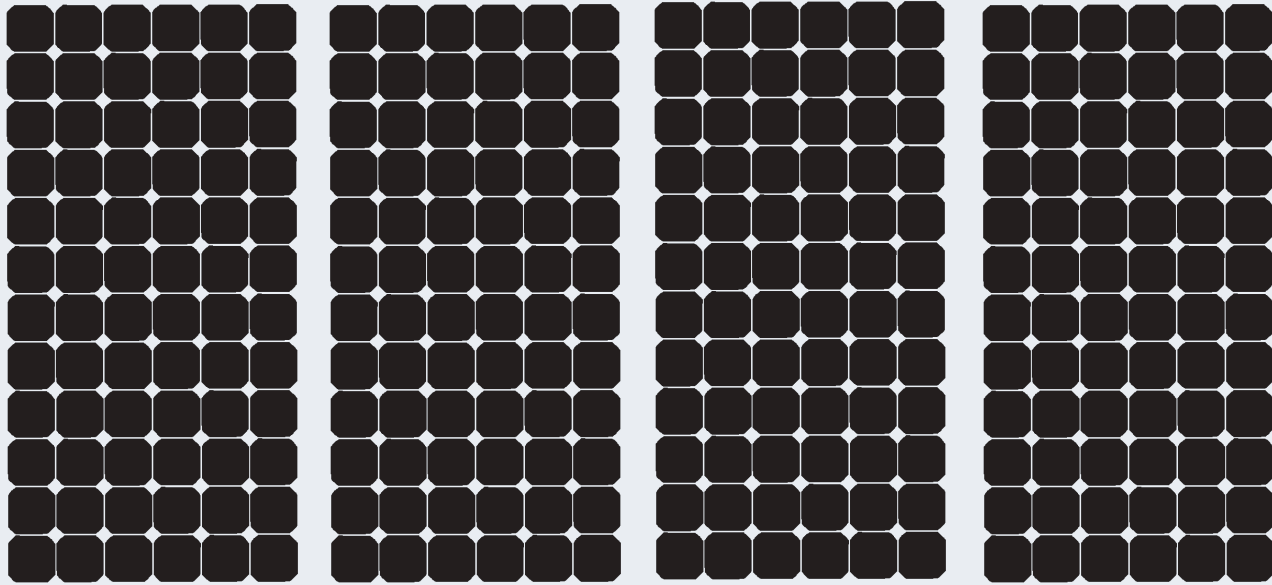
Solar panels: energy yields



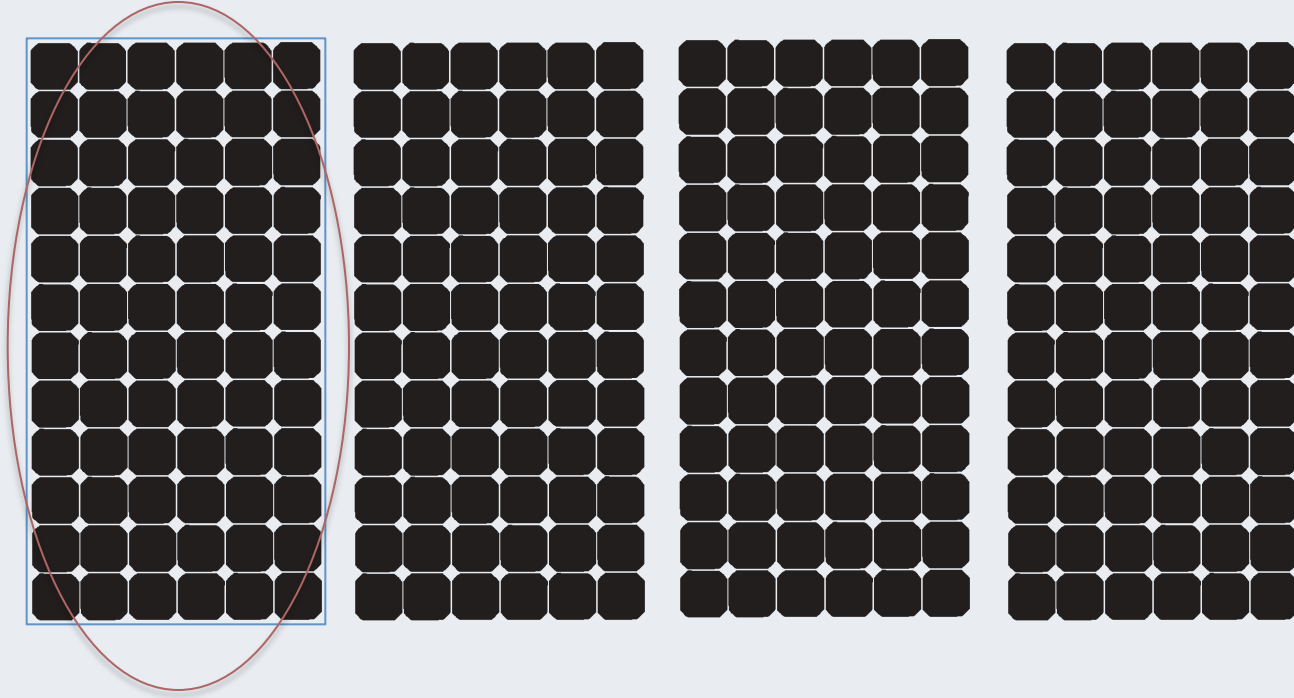
1.000 KWh invested in the production of solar panels results in an energy return of 10.000 KWh



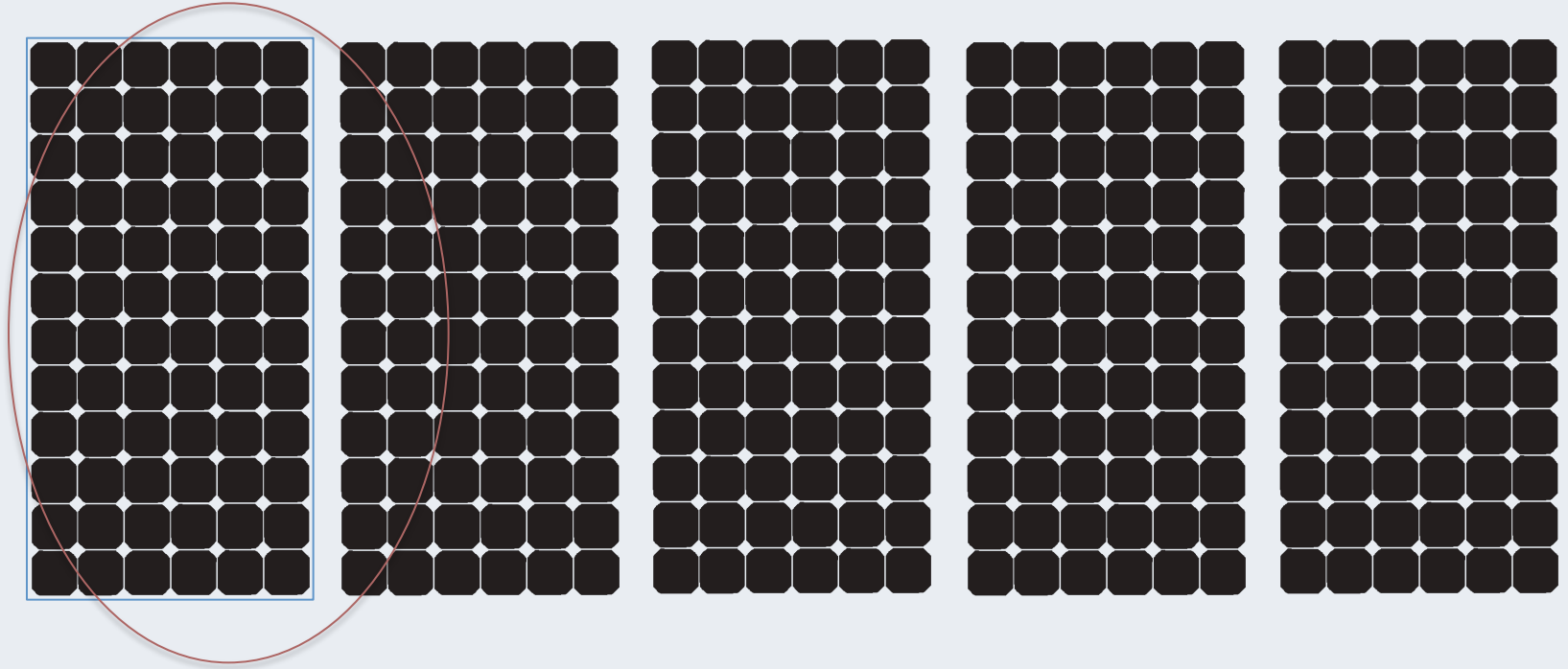
Huru Milele: free forever



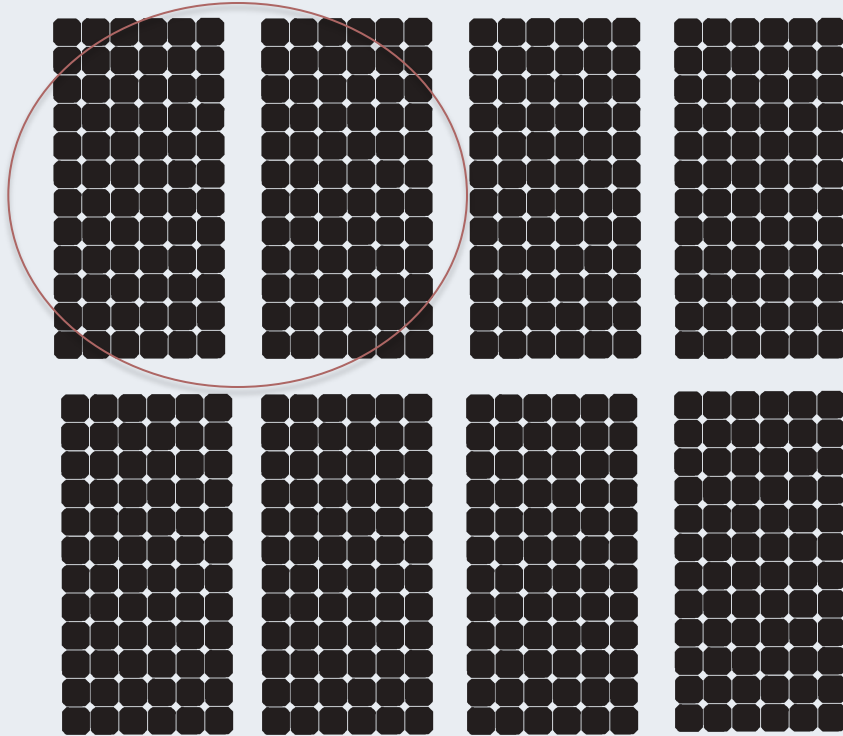
Huru Milele



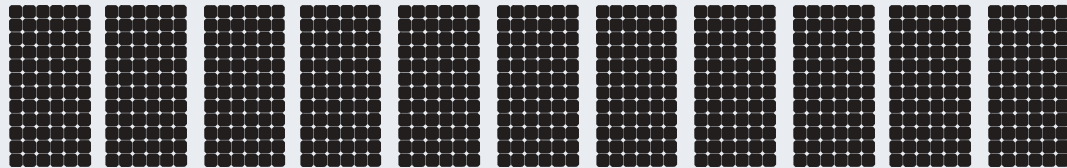
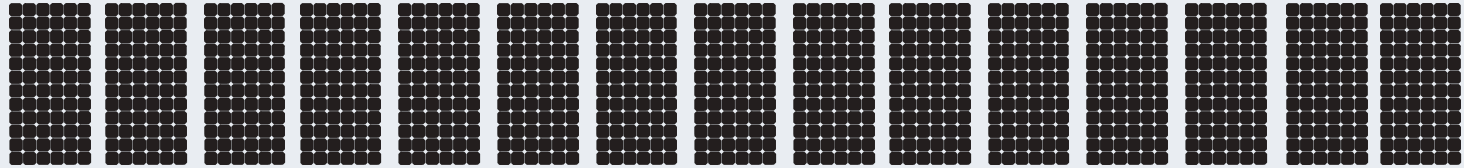
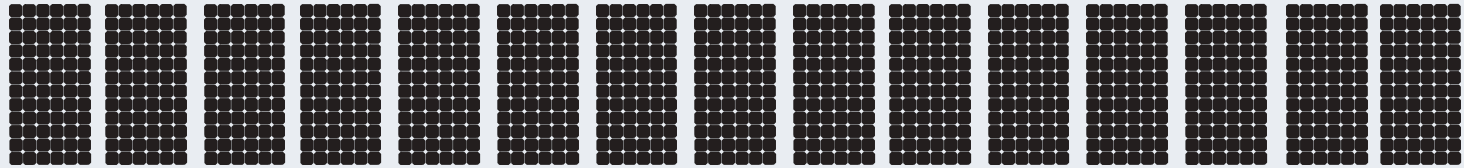
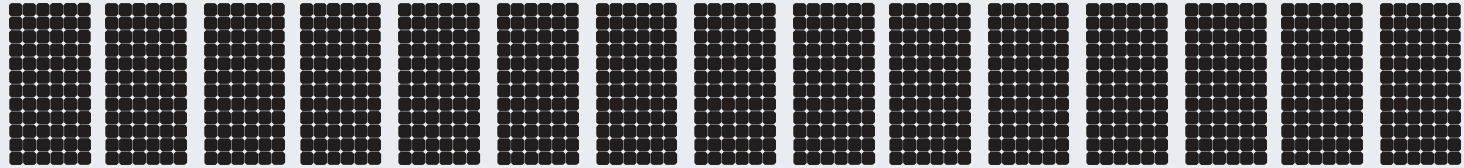
Huru Milele



Huru Milele



Huru Milele



exponential
growth of real
value creation

our users get exponential
growth of renewable energy
generation without banks or
energy companies



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- continuous renewable energy generation
- enabling global exchange of tokenized energy from abundant resources
- growing the real economy



distributed ledger +
peer to peer + AI

every windmill and solar
panel will be a micro bank

a new reality



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RIGHT



beyond the culture of contest



towards a culture of collaboration

June 2018:

- UniversalRight foundation announces the first **non-speculative ICO**
- investments result in renewable energy generating power
- powering and growing the tangible economy
- no more ROI, but EROEI
- connecting humanity to energy abundance



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RIGHT

our dream:
universal access to
clean, renewable
energy





UNIVERSAL
RIGHT

universalright.org

@arashaaz



Secure sharing made easy

What's the problem?

**The
Guardian**

Aug 31, 2016

**Dropbox hack leads to
leaking of 68m user
passwords on the internet**



Oct 4, 2017

**Every single Yahoo account
was hacked - 3 billion in all**

**Equifax data breach
may affect nearly half
the US population**



7 September, 2017

theguardian

**Hospitals across
England hit by large-
scale cyber-attack**

May 12th, 2017

Storro is unique



- ✓ Scalable, flexible & robust infrastructure
- ✓ No third party holding any complete or otherwise readable file

- ✓ Significantly higher security guarantees
- ✓ 'Crown jewels' not in one location

Therefore



storero

Secure sharing made easy



B2B



SaaS



P2P



**Blockchain
enabled**



storro.com

Secure sharing made easy

CTO Arthur Melissen - arthur@storro.com



A man with glasses and a blue suit is speaking at a trade show. He is wearing a lanyard that says "SXSW 2019" and "NEW DUTCH WAVE". In the background, there is a sign that says "Holland" and "CREATIVE".

Dutch Startup Showcase

HRH Prince Constantijn van Oranje - Startup Envoy

"StartupDelta and its partners are on a mission to create the best innovation ecosystem of Europe in the Netherlands. Therefore we want to connect at SXSW which is a proven and excellent platform for startups and launch them the worldwide creative industry.

We're proudly presenting 22 promising examples of Dutch Tech that showcase their companies on the Trade show and in a program at the New Dutch Wave House."

AMSTERDAM

Explore



ROTTERDAM

Explore



CREATIVE HOLLAND

Explore



www.startupdelta.org/sxsw-2018