

MYPOWER

The blockchain powered energy tokenization platform

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Riddle and Code Energy Solutions GmbH



WHO WE ARE

RIDDLE AND CODE

- "The blockchain interface company" – Closing the gap to **tokenize physical assets**
- The mother company providing components and services to following entities

1. FINTEC

- Securely store and manage digital assets with cloud-based Token Management Platform

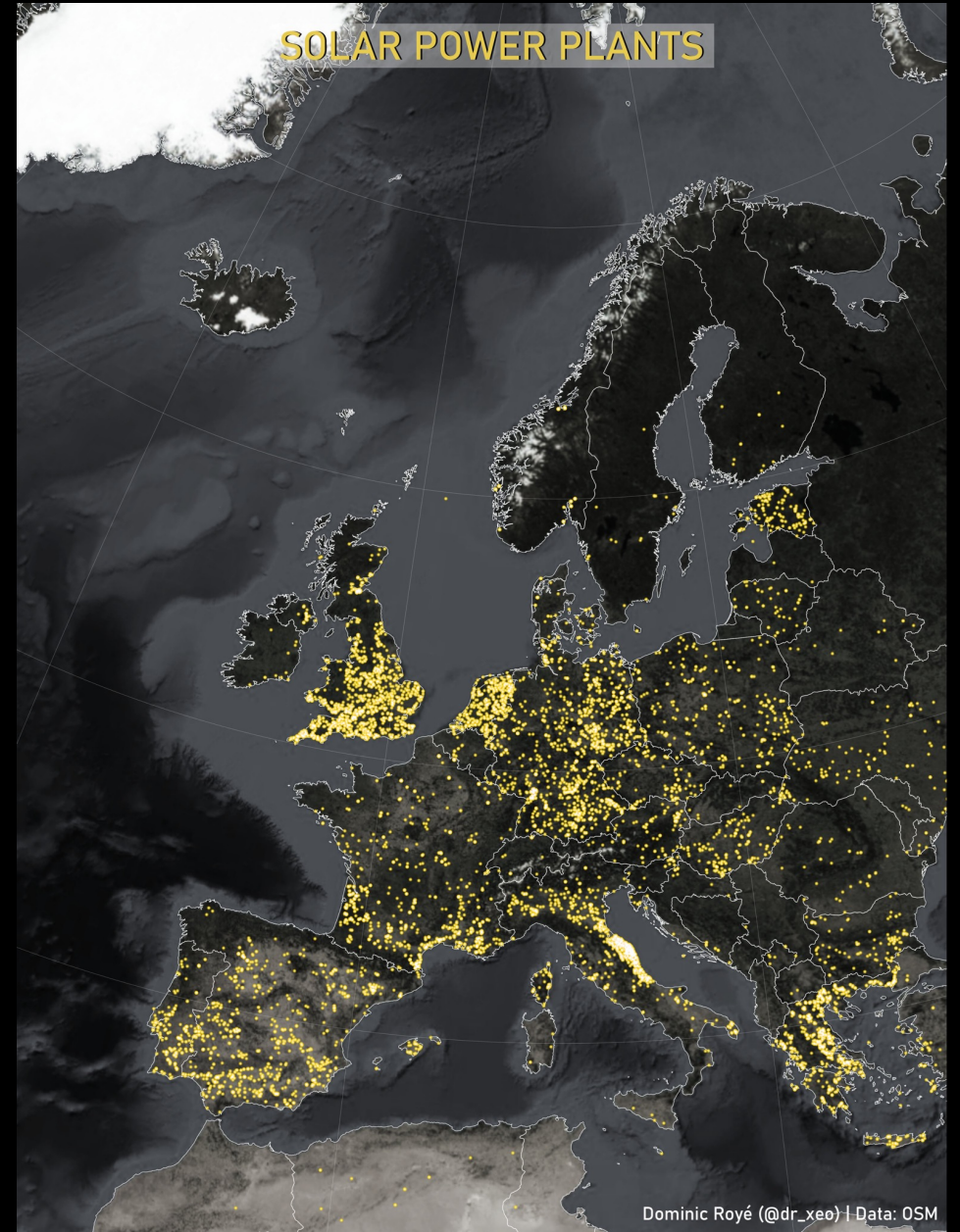
2. MOBILITY

- Reinventing mobility data marketplaces, which enables all participants to access and **benefit from vehicle-generated data**

3. ENERGY SOLUTIONS

ENERGY SOLUTIONS GMBH

- On the mission to **foster renewable energy** by enabling resilient, low-cost and green electricity markets
- Build green and decentralized economies using distributed ledger technologies
- Joint Venture with Wien Energie





GET YOUR SHARE OF THE GREEN NEW DEAL

ENVIRONMENT

EFFICIENT CREATION AND
MANAGEMENT OF ENERGY
ATTRIBUTE CERTIFICATES

100% TRUSTED DATA
SOURCES

INCREASE PROFITABILITY
OF GREEN ENERGY
ASSETS

ACCELERATE RENEWABLE
ENERGY EXPANSION

SOCIAL

EASY SET-UP OF ENERGY
COMMUNITIES

CHANGE: CONSUMER
TO PROSUMER

ENABLES TRANSPARENT
ENERGY DONATIONS

CITIZEN OWNED POWER
PLANTS

GOVERNANCE

REGULATORY
COMPLIANCE

CONSORTIAL
GOVERNANCE
COMPLIANCE

SMART CONTRACT &
POLICY MANAGEMENT

GREEN NEW DEAL
COMPLIANCE



HURDLES OF PARTICIPATION

ASSET SIZE

- TOO BIG FOR SMALL INVESTORS
- TOO SMALL FOR BIG INVESTORS

TRANSPARENCY

- RISING NUMBER OF OWNERS WITHOUT ENERGY EXPERTISE
- HARD TO KNOW:
 - Does asset exist?
 - How does it perform?
 - Is profit distributed as contracted?

PROFITABILITY

- FIXED FEED-IN TARIFFS OFTEN INSUFFICIENT TO MEET PROFITABILITY TARGETS

LACK OF LIQUIDITY

Lack of projects and/or funding

TOKENIZATIONS SOLVES KEY PROBLEMS

ASSET SIZE

- ASSET AGGREGATION
- ASSET
DISAGGREGATION

TRANSPARENCY

- ALL TX ON DISTRIBUTED
LEDGER
- STANDARDIZED &
CERTIFIED PROCESSES
OF SECURITIZATION
- GUARANTEED
CONTRACT EXECUTION

PROFITABILITY

- ACCESS TO NEW,
DECENTRALIZED
MARKET PLACES
 - PPAs
 - Virtual Power
Plants
 - Energy
communities
 - Grid balancing
 - Data markets



IMPROVED LIQUIDITY

More projects realizable & access to wider field of investors

TRUSTED GATEWAY





THE TRUSTED GATEWAY



1. **Secure Element** allows secure creation of hardware secured machine identities
2. Easy auditable notarization of data and value transfers to ensure **regulatory compliance**
3. Enables **machine to machine transactions** without middleman

TRUSTED GATEWAY LORA

- Gives identity to the machine
 - Has a secure element that generate and stores a cryptographical key pair
 - Private key can not be extracted
1. Retrieves status information of a machine
 2. Signs this information with the private key
 3. Transmits information + signature

L x B x H __ 70mm x 36mm x 29mm



Trusted Gateway with Lora Antenna

REAL LIFE EXAMPLE



MYPower

**BLOCKCHAIN
BASED ENERGY
TOKENIZATION
PLATFORM**

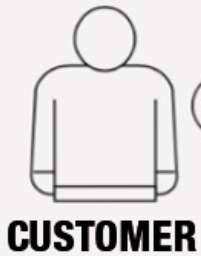




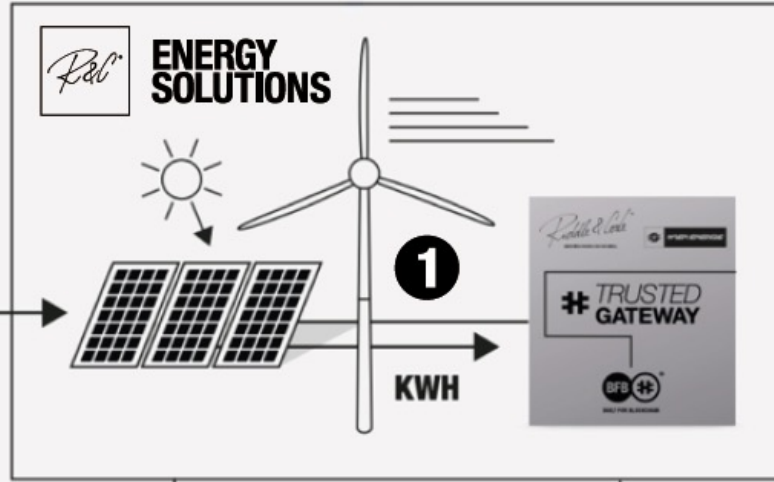
TOKENIZED AUSTRIA'S LARGEST PV PLANT

- IN JUNE 2021
- 11,45 Megawatt





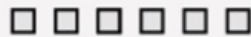
2
BUY SHARES



3
RECEIVE
TOKENS FOR
SHARES

4
RECEIVE TOKENS
FOR PRODUCED
ENERGY

BLOCKCHAIN

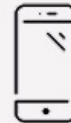


7
REDEEM
TOKENS

INVOICE
PAY WIEN ENERGY
ELECTRICITY BILL



VOUCHER
BUY GROCERIES
AT A SUPERMARKET



CITIZEN OWNED POWER PLANT



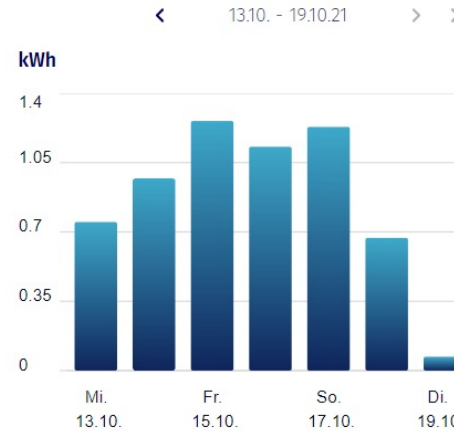
LIVE DASHBOARD



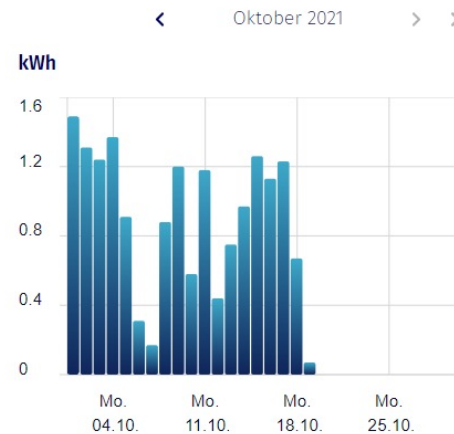
Dashboard

Energieproduktion aus Ihren Sonnenpaketen

Woche



Monat



Aktuelles Guthaben (1 Sonnenpaket)



Bei einer Vergütung von 17 Cent/kWh ergibt das eine Gutschrift von 23,46 EUR für das aktuelle Produktionsjahr.

Das entspricht



6%

vom Jahresverbrauch eines 2P-Haushalts



863 km

Fahrt mit einem E-Auto *



60 kg

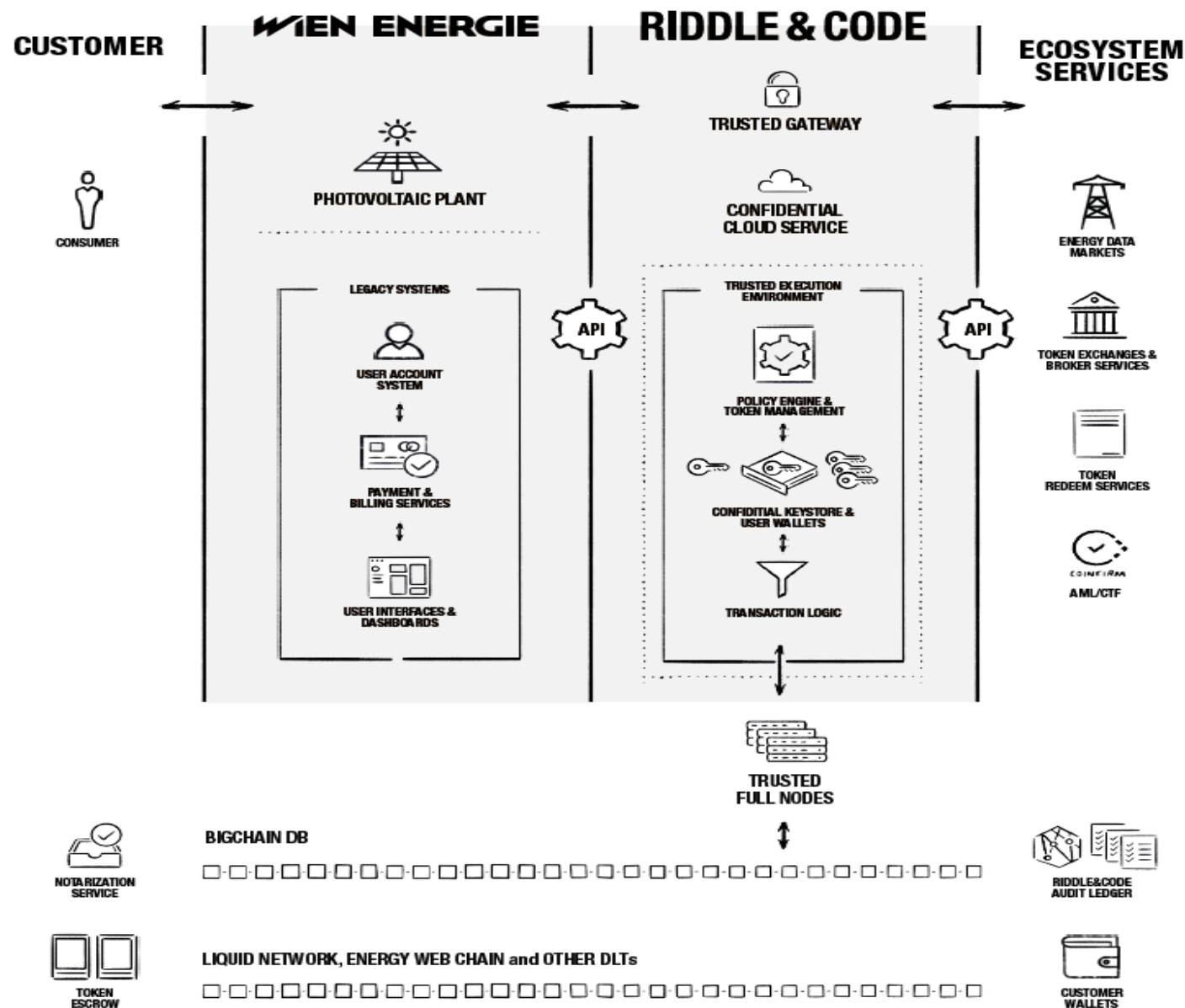
CO2 Einsparung *



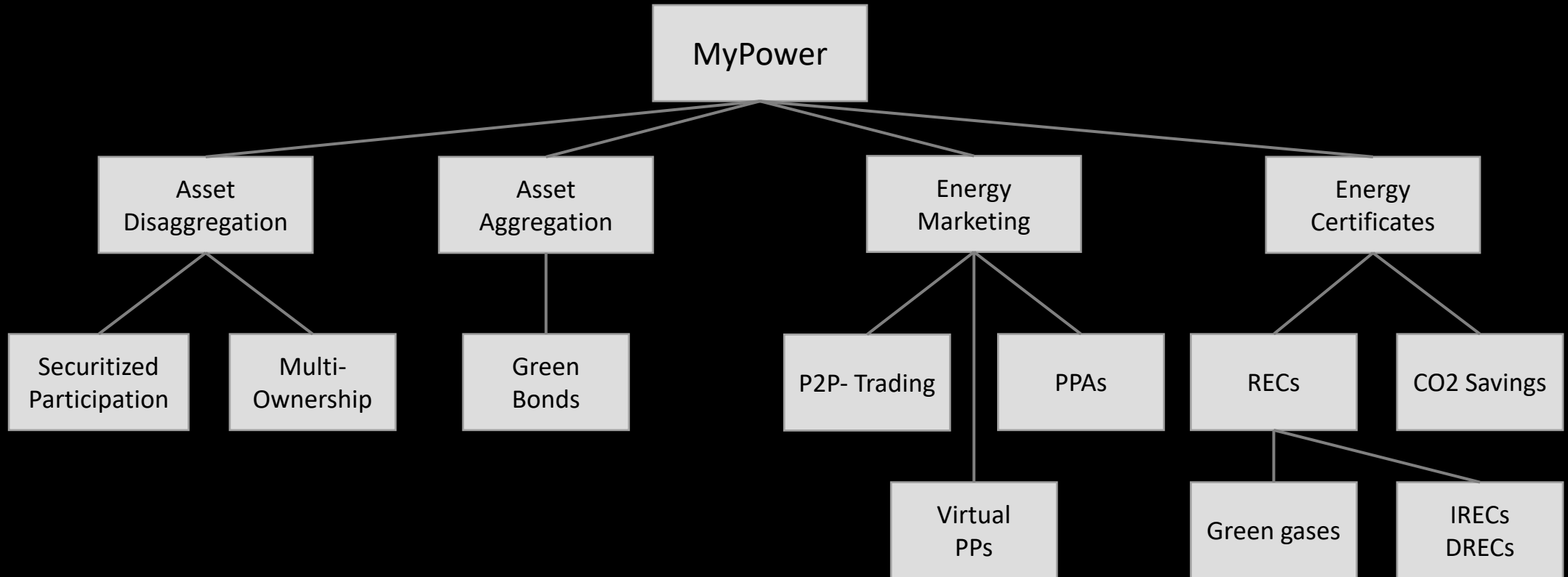
46x

Duschen *

ARCHITECTURE



MYPOWER TOKENIZATION CAPABILITIES SUPPORT THE ESSENTIAL USE CASES OF DECENTRALIZED ENERGY MARKETS





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THANK YOU!



BUILT FOR BLOCKCHAIN

