



Crowdfunding and Cryptocurrency

The “Sungie” use case

Central Bank Digital Currencies workshop, October 29th 2020



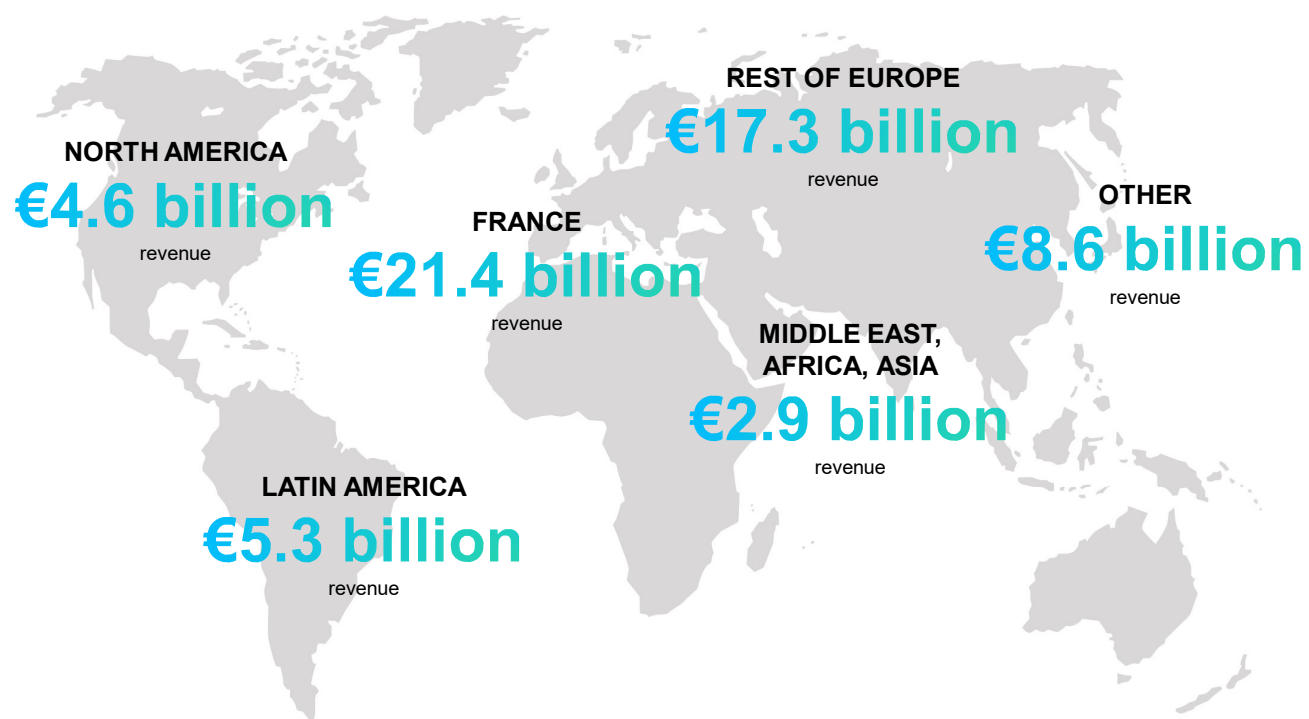
Our purpose

“To act to accelerate the transition towards a carbon-neutral economy, through reduced energy consumption and more environmentally-friendly solutions.”

We operate throughout the world

In 2019

- 171,100 employees
- €60.1 billion revenue
- €189 million spent on R&D
- 3GW extra installed renewables capacity
- €21 billion revenue for client solutions
- +4,500km of gas transmission network
- 96.8 GW installed power generation capacity
- of which 52.7 GW of installed natural gas generation capacity

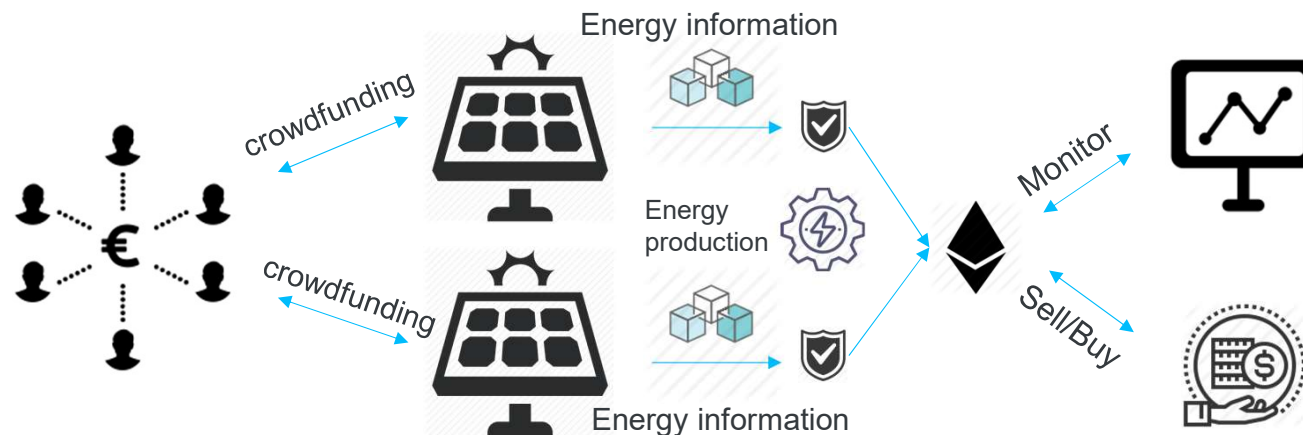


Annual figures on 31/12/2019

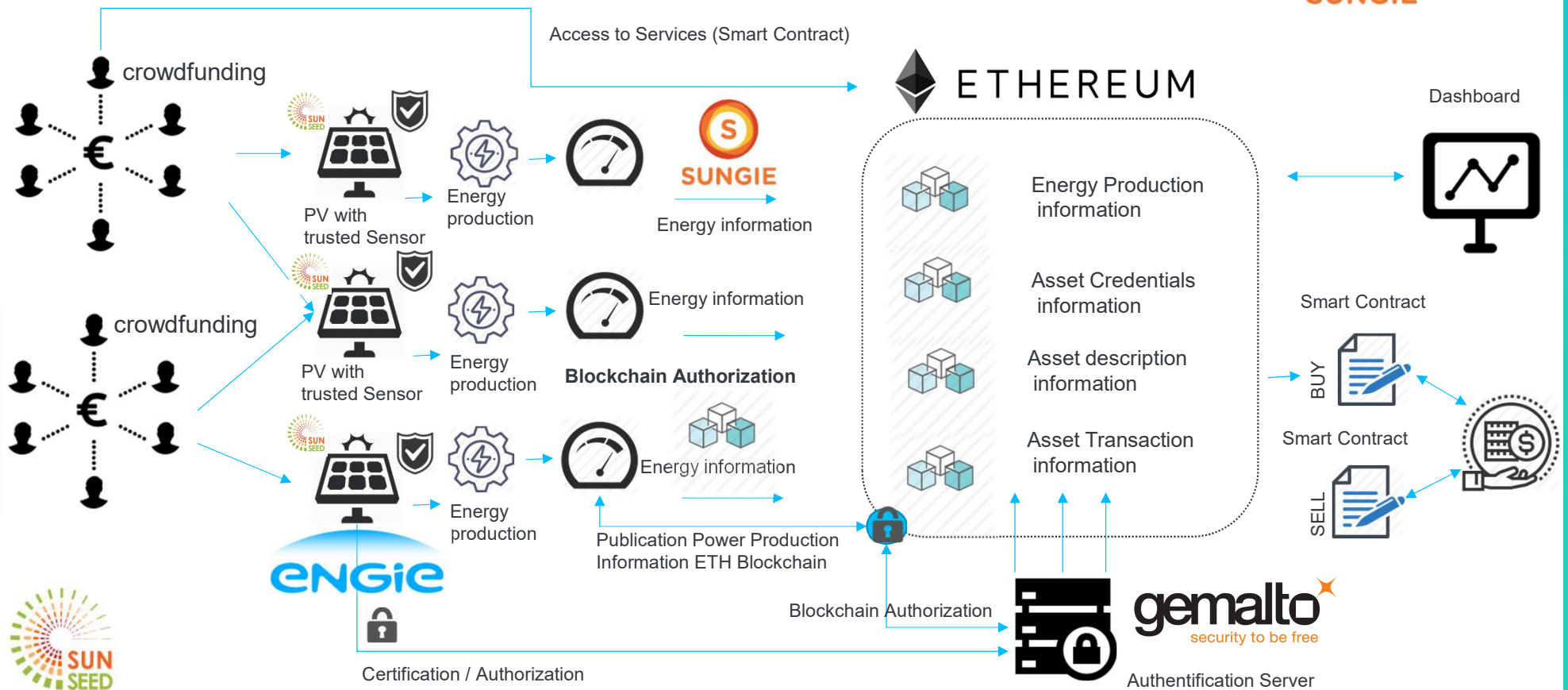
Crowdfunding of PV with the “Sungie™”



Clients can buy/sell
(Crowdfunding)
PV assets with/between others Peers (Energy Community)
and
Get Sungie™ from trusted & certified energy production





Crowdfunding of PV with the “Sungie™”



Crowdfunding of PV with the “Sungie™”



- Use Secure Element to get Trusted power Sensing from PV (SunSeed FP7 project, with Gemalto)
- Clients receive  according to their share of PV production
- Clients can use  :
 - To subscribe or run specific services (Maintenance, Renovation, Consulting,...) from ENGIE’s trusted partners
 - To exchange between each others
- Smart Contracts automatically sell/buy PV Share of Energy production, across PV projects, worldwide
- Can provide Guarantee of Origin of renewable production by (continuously) monitoring Assets identity and energy production

“Sungie™” could be advantageously pegged to EU CBDC

- Avoid worry of fluctuating value, and more trustworthy than a stable coin.
- On condition that private sector “Approved (nonfinancial) Institutions” would be allowed to manage some CBDC ancillary services.
- For instance, ENGIE, subject to limited regulation, specific to restricted activities, could manage:
 - Wallet services
 - KYC/AML checks
 - Custodial services (possibly)

CBDC could be an advantageous alternative to private or stablecoins.



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