



PROSUME

decentralizing power

Milan | Rome | Barcelona | Berlin

January 28th 2021 - Alex (acme) D'Elia
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An evolving energy system



from Fossil & Centralized
to Green & Decentralized



Electrification of
transport, heating and
other loads

Increasing data
flows



New players

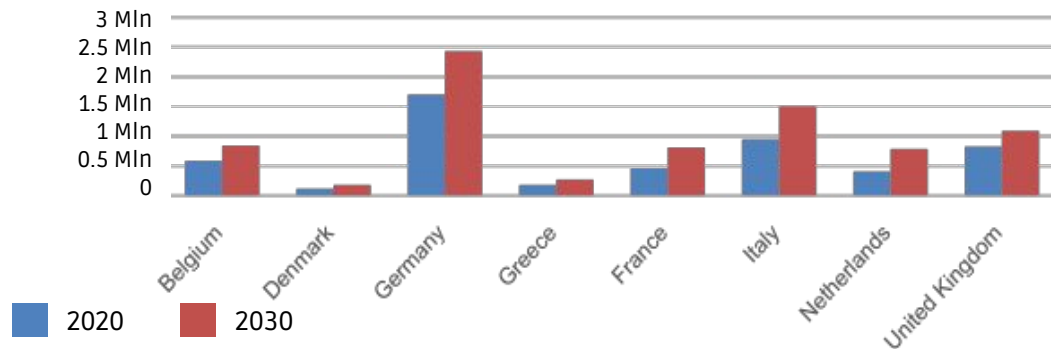
Transition of energy system patterns

An evolving energy system

Distributed Energy
Resources

Increasing
Data Flows

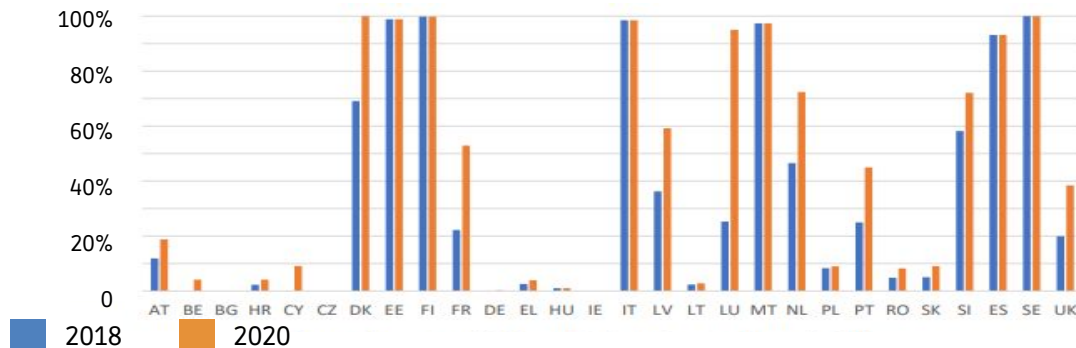
Number of residential solar PV prosumers



Study on "Residential Prosumers in the European Energy Union.

https://ec.europa.eu/commission/sites/beta-political/files/study-residential-prosumers-energy-union_en.pdf

Smart metering deployment in the EU-28



Benchmarking smart metering deployment in the EU-28

https://www.buildup.eu/sites/default/files/content/mj0220176enn.en_.pdf

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An evolving consumer

From Regulated to Deregulated
↳ freedom of choice



Energy consumption awareness

Digital awareness



From Product to Service
Energy Account access



Environmental awareness

Evolution of energy consumption models

An evolving consumer

The Opportunity



Demand-side
flexibility



zero-Km
energy



support to
grid

The Obstacle



Higher
complexity



Confusion



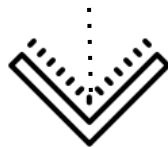
Mistrust



Renewable Energy
Communities

Evolution of energy production models

An evolving prosumer



Renewable Energy
Communities



Decentralised
technologies



Energy should be a common good

Our solution

Digital Sovereignty:
Decentralized Governance
SSI & privacy

**Renewable Energy
Communities**

Interoperability:
Between Stakeholders
& between Blockchains

Flexible Infrastructure:
Modularized & Integrated tools
for Energy & Data
Exchange/Distribution



**Blockchain
technology**

Immutable data storage:
Fostering Transparency and Trust
among participants

PROSUME provides software tools (Toolkit) for energy community management
easily deployable by the stakeholders

Mission: a digital single energy market

1

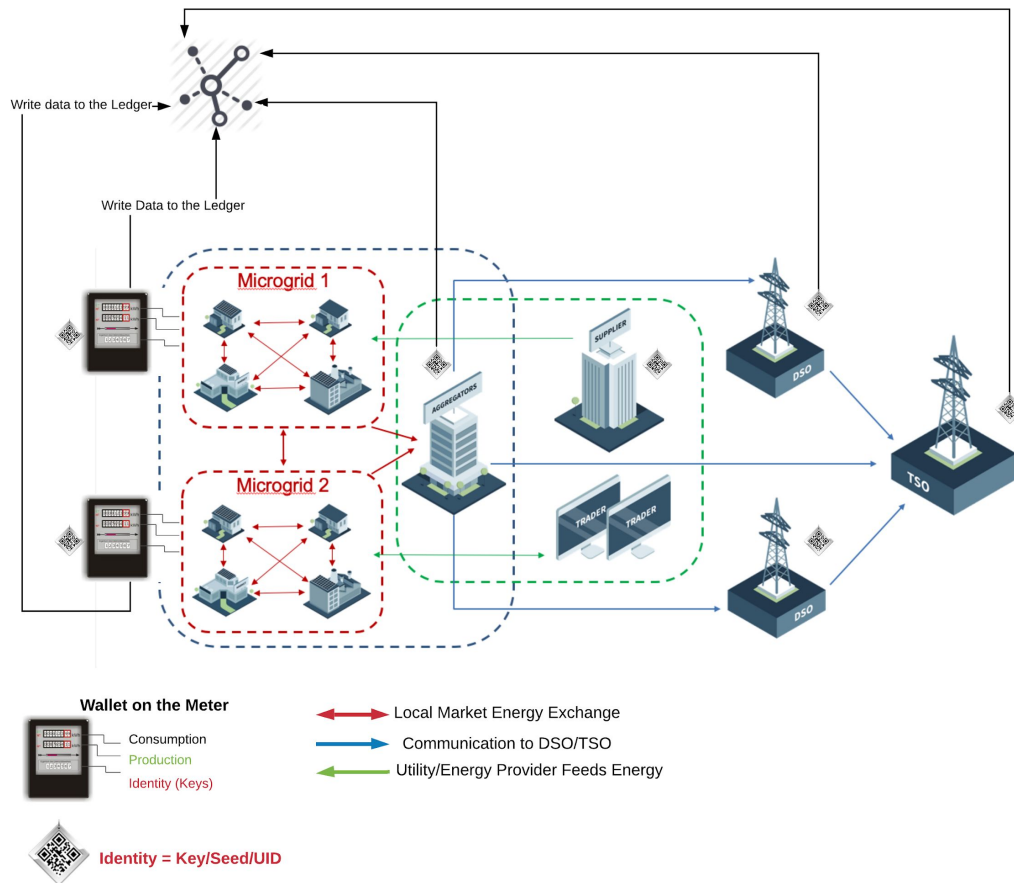
Flexible Infrastructure:
Modularized & Integrated tools
for Energy & Data
Exchange/Distribution

2

Interoperability:
Between Stakeholders
& between Blockchains

3

Digital Sovereignty:
Decentralized Governance
SSI & privacy



Value for Social Good

1

Sustainability

2

Collective
Awareness

3

Sovereign
Identity

4

Privacy
Control

SDG#7

Affordable & Clean Energy



Renewable Energy
easily accessible for all

SDG#9

Industry, Innovation
& Infrastructure



Interoperable & resilient
infrastructures

SDG#11

Sustainable Cities
& Communities



Decentralized governance
& Community aggregation

SDG#12

Responsible Production
& Consumption



From the MWh to the service
Awareness and Empowering



make energy easily accessible
leveraging service provisioning with
specific partners (sales channels)

System Integration / Services

Building & upgrading infrastructures
(system integrators, municipalities,
local providers)

Products / Solutions

- Smart Cities
- IoT Devices
- Smart Grids

Consortia / Partnerships

Acting as a solutions provider where
our products add value to the services
provided by the partner

Royalties / Fees

- AXPO, Evolvere, Elmec Solar...
- Multi-Utility Platform
(Energy-as-a-Common)
- Pilot projects and Energy districts

Vendor / Partners

Spreading the solutions into the
devices managing the exchange of
information / Value

Diffusion

- Stand-alone Platform
("Android" of Energy)
- Router & Gateway
(EOLO, Everynet, NesosNet, Enerbrain...)
- Battery, Inverter, SOC, Meters
(ABB, BiTicino, BluSolutions...)

Prosume: Company Profile



- Milan
- Rome
- Barcelona
- Berlin

2015

BIRTH OF DAIJE LTD

UK-Based innovative start-up aimed at developing DLT solutions for the energy market



2017

ENERGIE STEIERMARK PILOT

P2P energy exchange among a community of prosumers



BIRTH OF PROSUME

Daije Ltd becomes Prosume and establishes its Italian presence



2018

BIRTH OF e-PROSUME

Joint-Venture with EVOLVERE, part of the ENI Group



BARCELONA ACTIVA MUNICIPALITY GRANT

Public Project for the P2P energy exchange between municipal buildings



2019

SNAM TSO PoC

Development of a blockchain powered Gas Trading Platform



LEDGER PROGRAM

EU Assignment of a Grant for the development of Energy Commons Protocol that includes: Data Structure, Communication Protocol and DLT Layer



2020

ENERGY COMMUNITY DIVISION ESTABLISHED

Prosume partnered with leading Italian energy companies in order to provide turn-key Solutions for Communities



EU H2020 AWARDS

Prosume won the Blockchain for Social Goods Prize + Participation in the European DLT4EU program



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DE VECCHI**
CEO



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President



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