



**PROSUME**

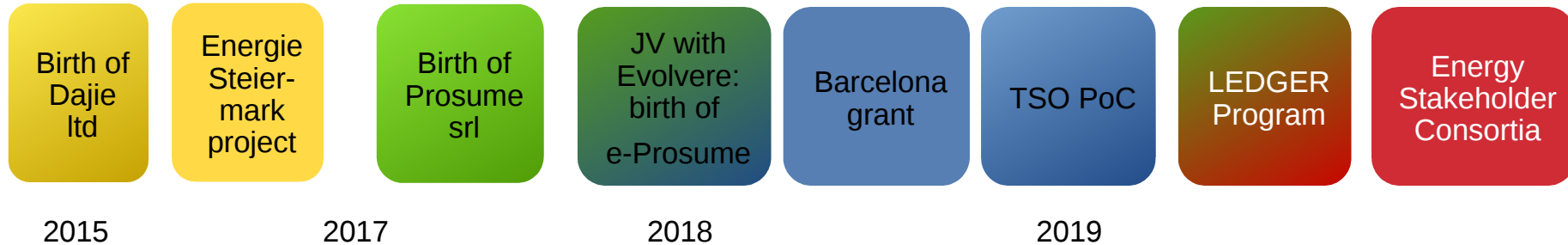
decentralizing power

**SMARTCITY**  
EXPO WORLD CONGRESS



# PROSUME

- Energy should be a Common
- Energy should be easily accessible to any type of user (prosumer) and provider (ESO/DSO/TSO)



# TEAM



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# Perspectives

The future of electric grids is 'smart' ...

Smart Grids lead the path to a new paradigm of energy distribution infrastructures.

Transforming passive users into active ones =  
'PROSUMERs'

SOURCE: Study on "Residential Prosumers in the European Energy Union" - 2nd May 2017

## RESIDENTIAL PV

### FORECAST - EUROPE 2030: Residential solar PV capacity (MW)

COUNTRY	2020	2030	Growth
Belgium	2.263	1.255	-44%
Bulgaria	17	41	141%
Czech Republic	95	306	12%
Denmark	543	838	55%
Germany	6.383	9.138	43%
Estonia	3	6	100%
Ireland	5	12	140%
Greece	629	950	51%
Spain	51	58	14%
France	1.484	2.623	77%
Croatia	17	30	76%
Italy	3.532	5.614	59%
Cyprus	33	56	81%
Latvia	2	6	200%
Lithuania	23	31	35%
Luxembourg	44	81	84%
Hungary	140	283	102%
Malta	20	24	20%
Netherlands	1.899	3.684	94%
Austria	414	684	65%
Poland	51	151	196%
Portugal	211	383	82%
Romania	15	19	27%
Slovenia	5	13	160%
Slovakia	16	40	150%
Finland	10	25	150%
Sweden	136	258	90%
United Kingdom	2.682	3.540	32%
Norway	15	26	73%
<b>TOTAL</b>	<b>20.713</b>	<b>31.975</b>	<b>54%</b>

### Number of residential solar PV prosumers

	2020	2030	Growth
	584.000	840.000	44%
	6.000	14.000	133%
	31.000	94.000	16%
	115.000	178.000	55%
	3.701.000	2.435.000	43%
	1.000	1.000	0%
	2.000	5.000	150%
	178.000	269.000	51%
	13.000	15.000	15%
	458.000	809.000	77%
	4.000	8.000	100%
	948.000	1.507.000	59%
	6.000	10.000	67%
	1.000	2.000	100%
	9.000	12.000	33%
	9.000	15.000	67%
	47.000	94.000	100%
	5.000	6.000	20%
	405.000	785.000	94%
	132.000	219.000	66%
	17.000	51.000	200%
	88.000	160.000	82%
	8.000	11.000	38%
	1.000	4.000	300%
	5.000	12.000	140%
	2.000	6.000	200%
	33.000	63.000	91%
	825.000	1.089.000	32%
	5.000	8.000	60%
	<b>5.619.000</b>	<b>8.662.000</b>	<b>54%</b>

# Our Solution

e-Procurement	
History	Block 3767052
Payment	
HQM	
Price	
Del Price	
Transfer	
Usage	
Logout	
Parameter	Value
Block Number	3767052
Wallet Type	OperationTypeTransfer
From	evot
To	evotore
Asset	OT
Amount	1.00000000
purchasedEnergy	2.0000000
energyDiff	44
tsID	6096e1034c5b67c8982ae70268a003
purchasedPower	177
reactiveEnergy	4516803
autoCostEnergy	8
consumedEnergy	44
buyPrice	0.01
sellPrice	0.01
tsidID	20004
Timestamp	2016-04-09 14:01:00

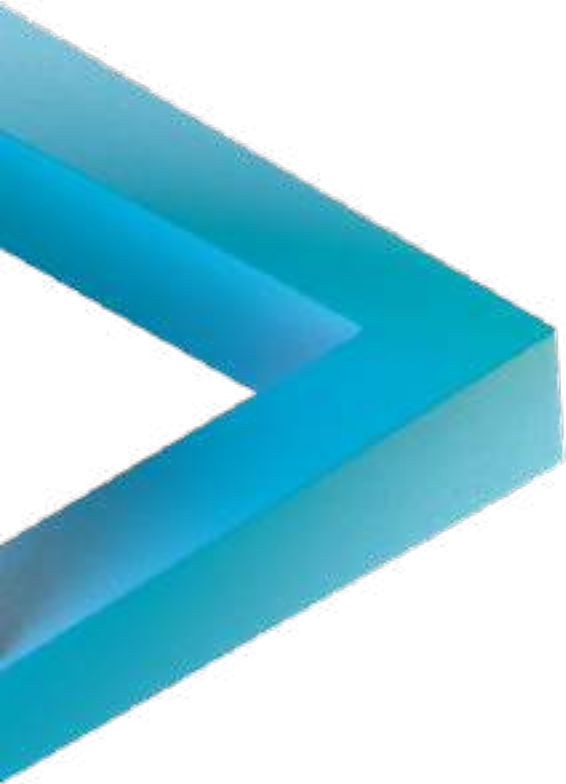
Utilities, Aggregators and  
Technology Providers receive the  
necessary SW/HW  
& Support for their product &  
solution offering to end-users... it  
allows to =>

- 1) regulate energy data management
- 2) trace data flows and timestamps
- 3) support grid balancing & demand/response
- 4) ease intercomm. & service/data exchange

## We Do:

- allow intercommunication between markets (*local and global*)
- automate processes of service provisioning (*provisioning, exchange, flexibility*)
- settlement on a more distributed and decentralized infrastructure (*SW+HW*)
- Developing on Standards and Commons (*ETSI+INATBA+EU*)
- Modularized and Integrated (*accessibility, service, market*)
- Distributed network of Partners + Inclusive Approach (*all-in-one solution*)

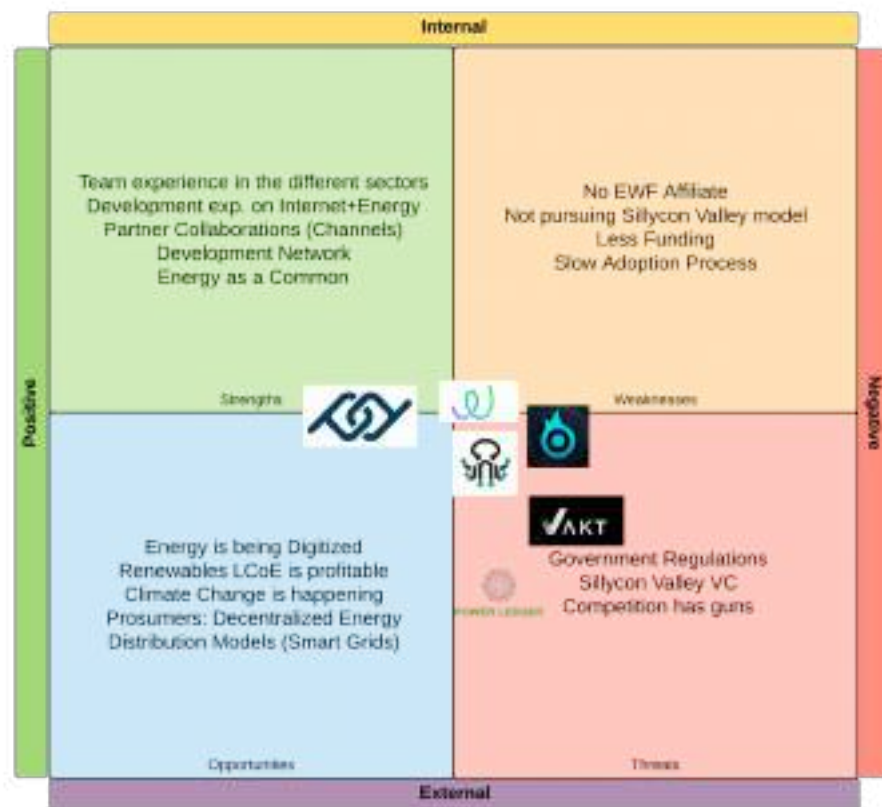




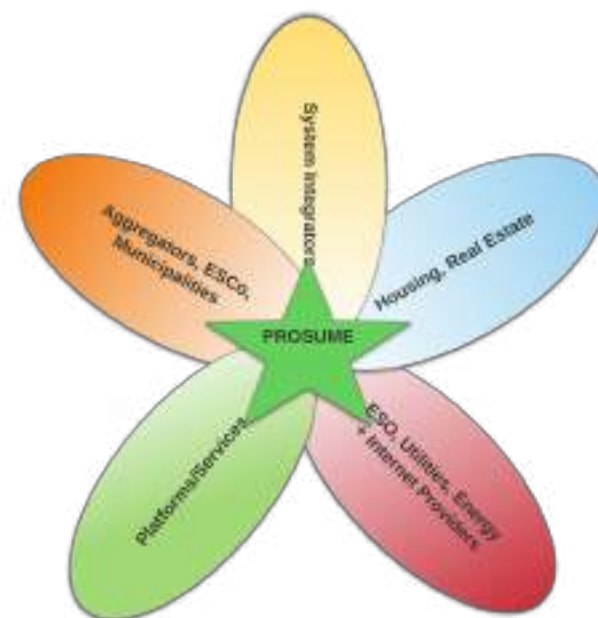
New kind of "marketplace" for users + providers =  
same system for service + contractual provisioning

Freedom to choose/buy/sell/trade energy  
from where and how while providing flexibility  
for batteries, heat pumps, EV...

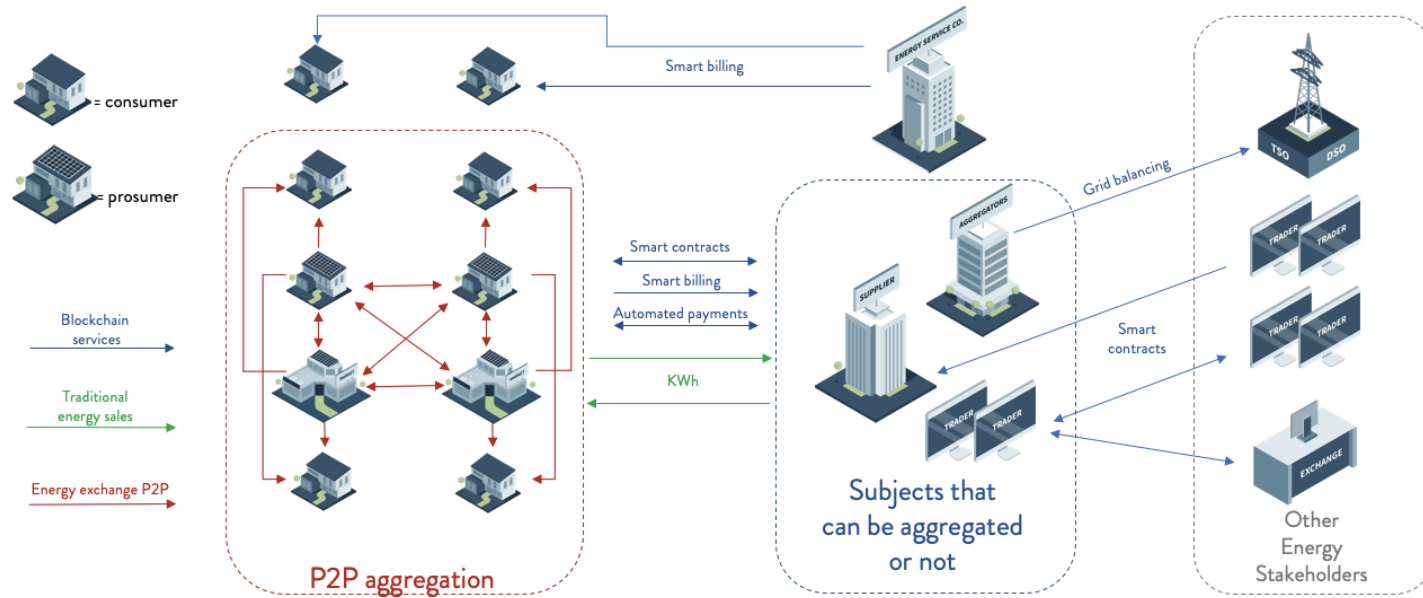
New revenue models for all participants  
with an inclusive and open approach toward 3<sup>rd</sup> parties







- Energy Services made easy
- Empowering Prosumers and Communities
- On a B2B2C Model = Revenue Sharing (or fee)





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