





PAIN



Martha PROSUMER



Youssef
SYSTEM OPERATOR







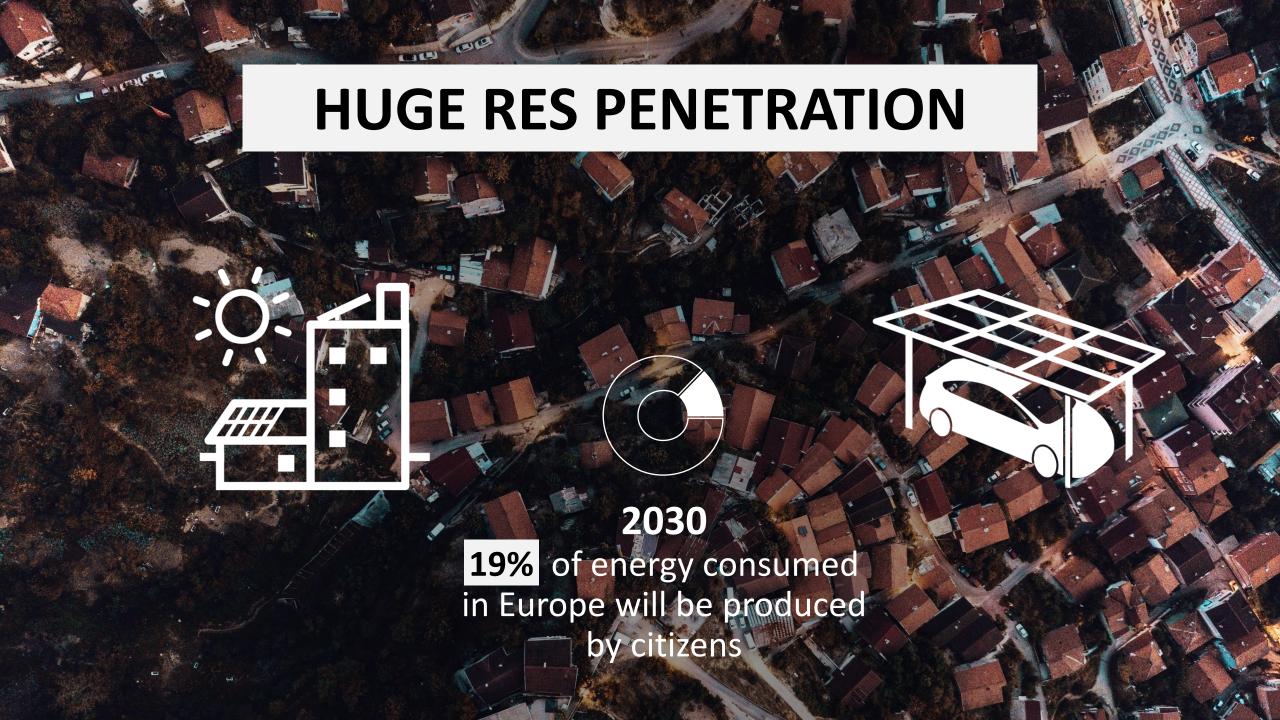
Domenico

ACTIVE CONSUMER







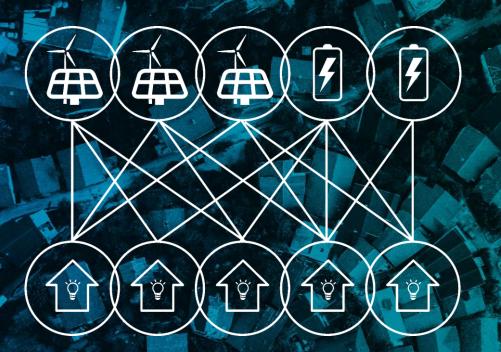


2050 PRICE PERSPECTIVE



VISION

Our vision is to accelerate DER implementation and reflect their real value at a local level.

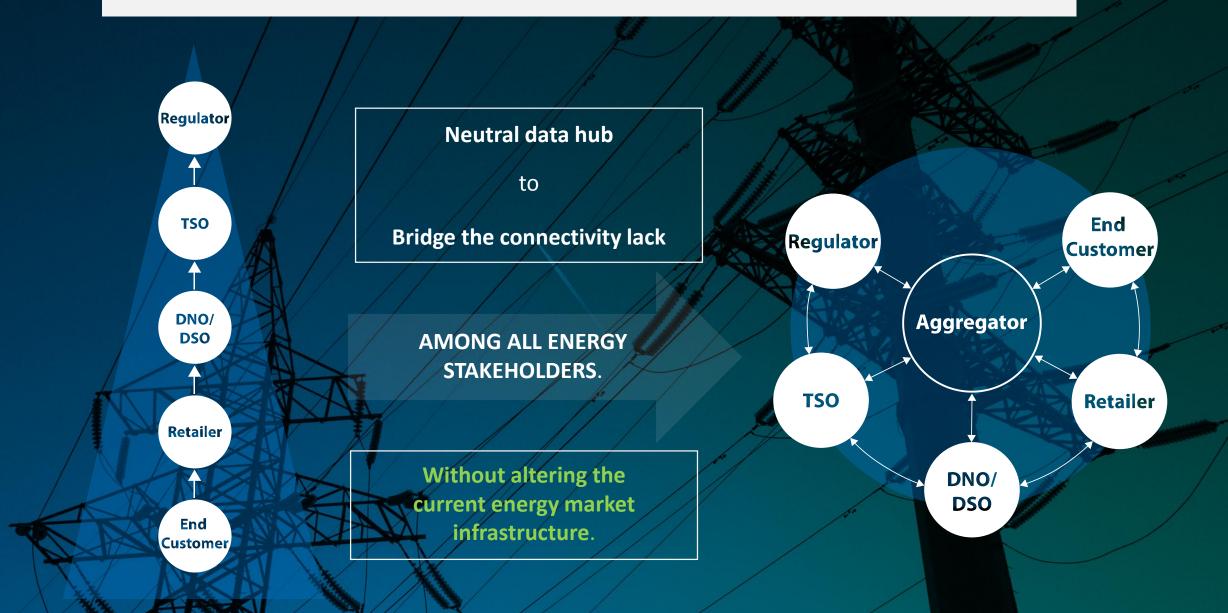


DIGITALIZATION OF DISTRIBUTED ENERGY ASSETS

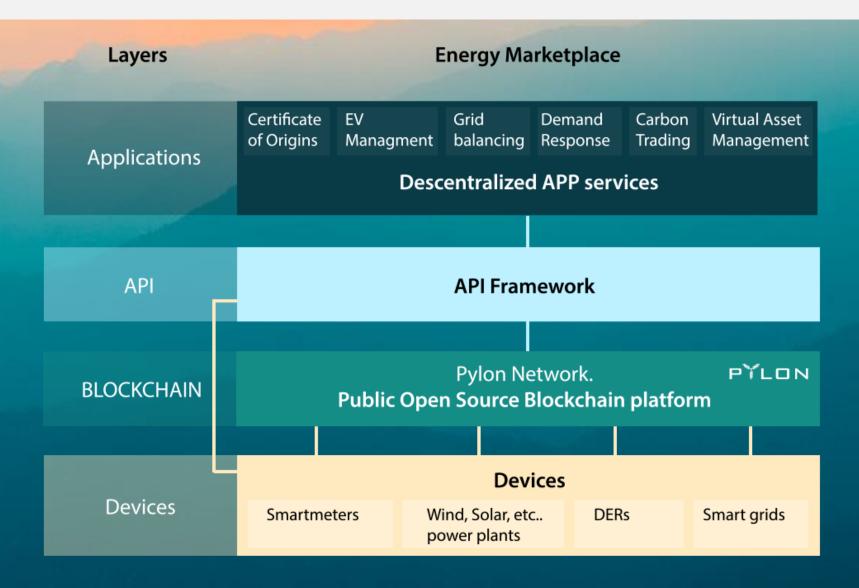
LOCAL ECONOMY
BASED ON RENEWABLES

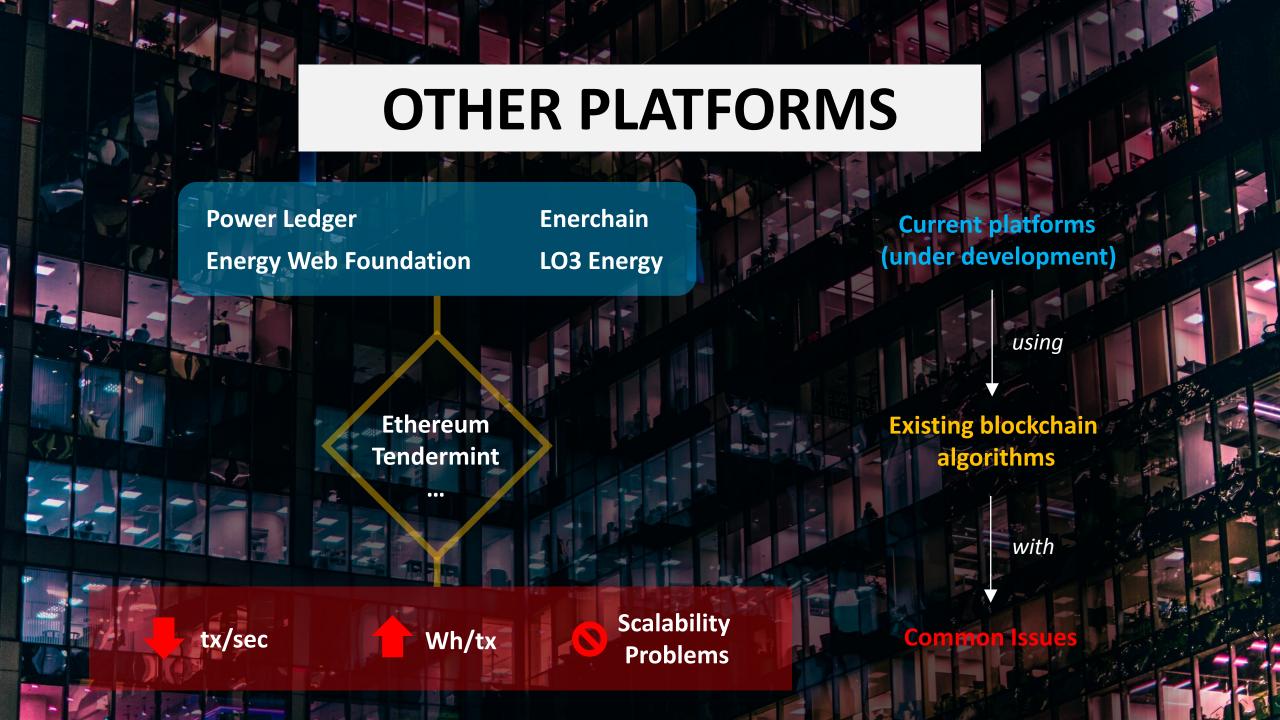
AGGREGATION
ASSETS AT LOCAL LEVEL

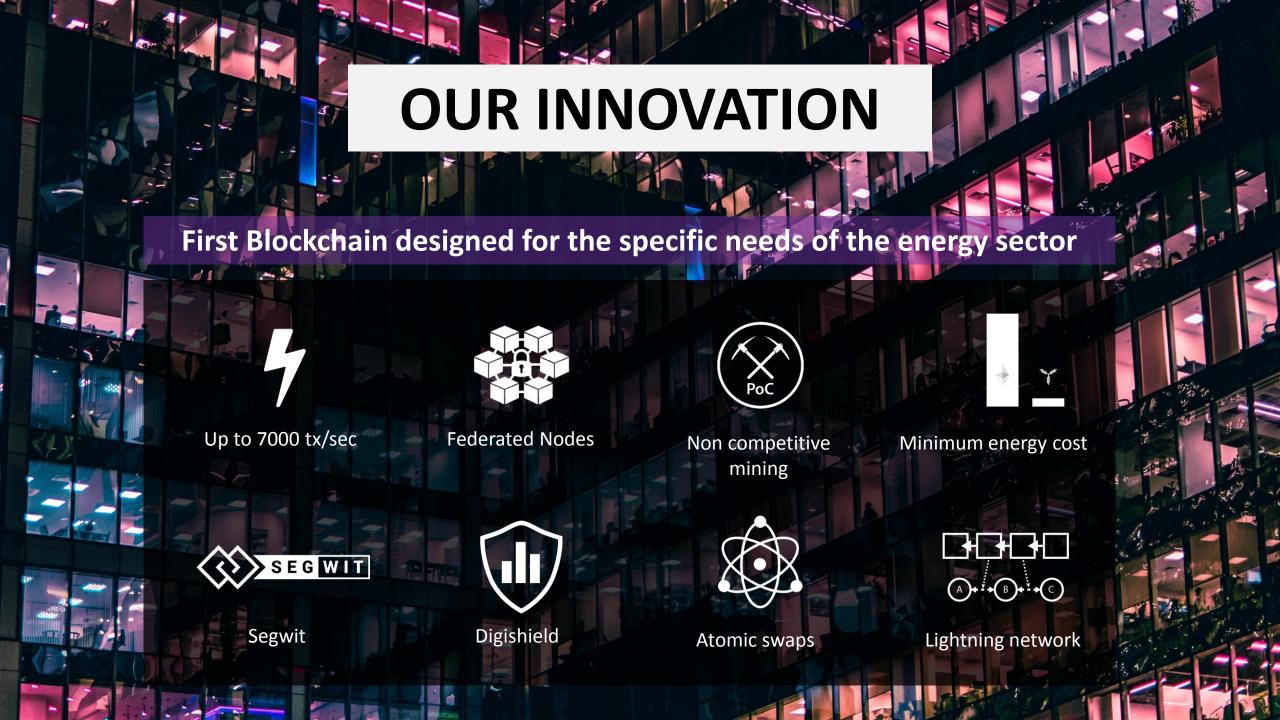
PYLON NETWORK INTRODUCTION

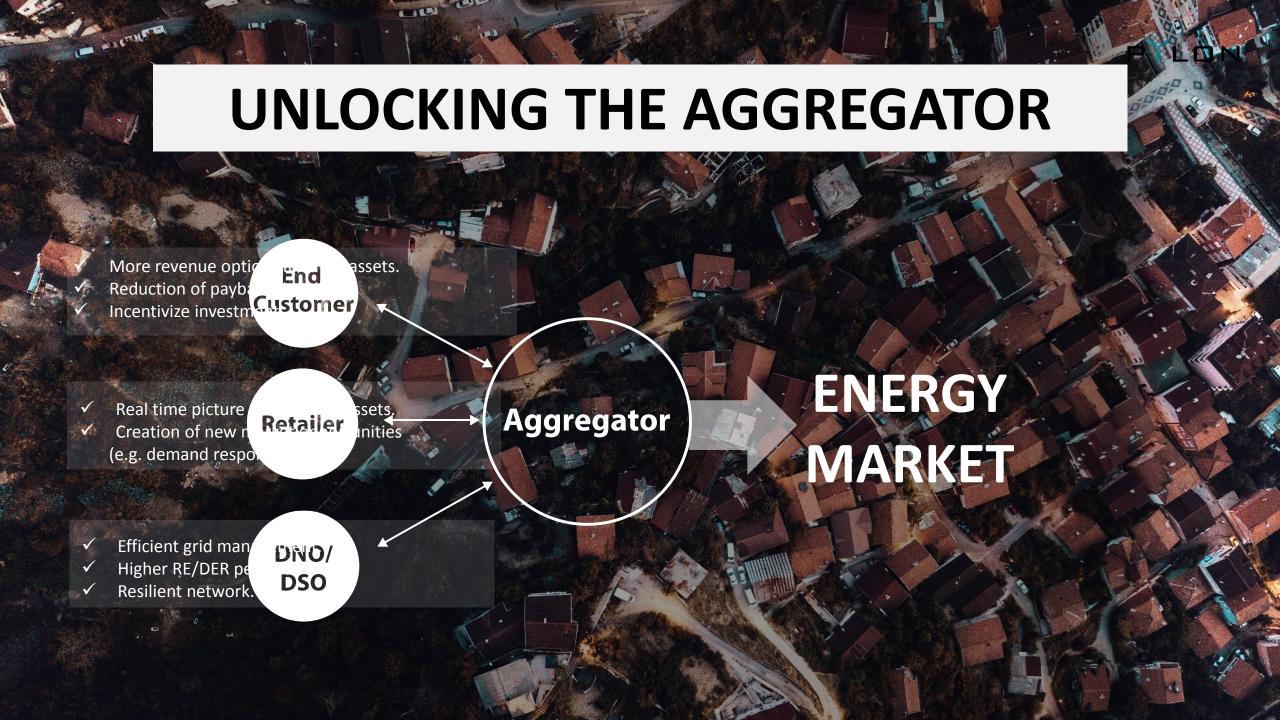


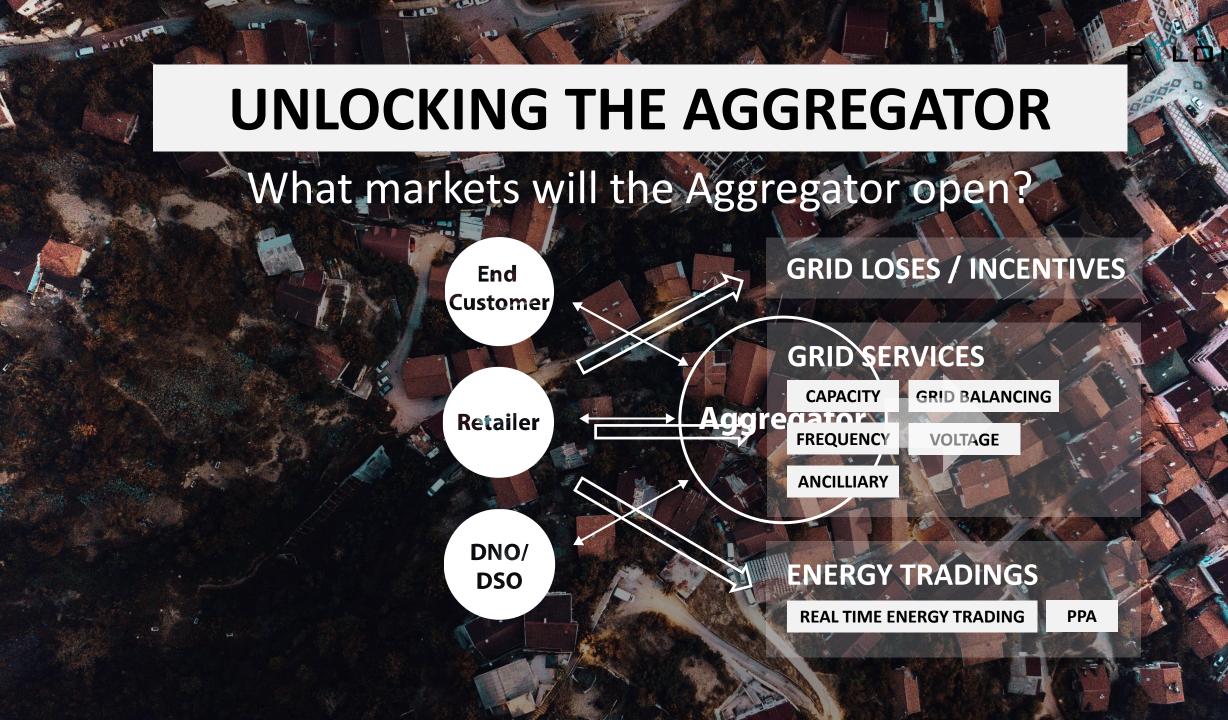
PYLON NETWORK PLATFORM











MARKET QUANTIFICATION

SPAIN

UK

Grid Losses	150 M/year	Grid Losses	350 M/year
Grid Incentives	52 M/year	Grid Invcentives	269 M/year
GRID SERVICES		GRID SERVICES	
· Ancillary	177 M/year	· Ancilliary	287 M/year
· Capacity	687 M/year	· Capacity	1180 M/year
· Voltage		· Voltage	6-7 M/year
· Frequenc	517 M/year Cy	Frequency	12 M/year
· Imbaland	ces 774 M/year	· Imbalances	327 M/year
Consumption re	eduction 5-20 %	Consumption reduction	5-20 %
P2P energy trac	ding 2%	P2P energy tradiung	2%

NICHE MARKET

SPAIN

EU

GoiEner UNION SOM RENOVABLES

20 Co-ops
100k users

Alginet

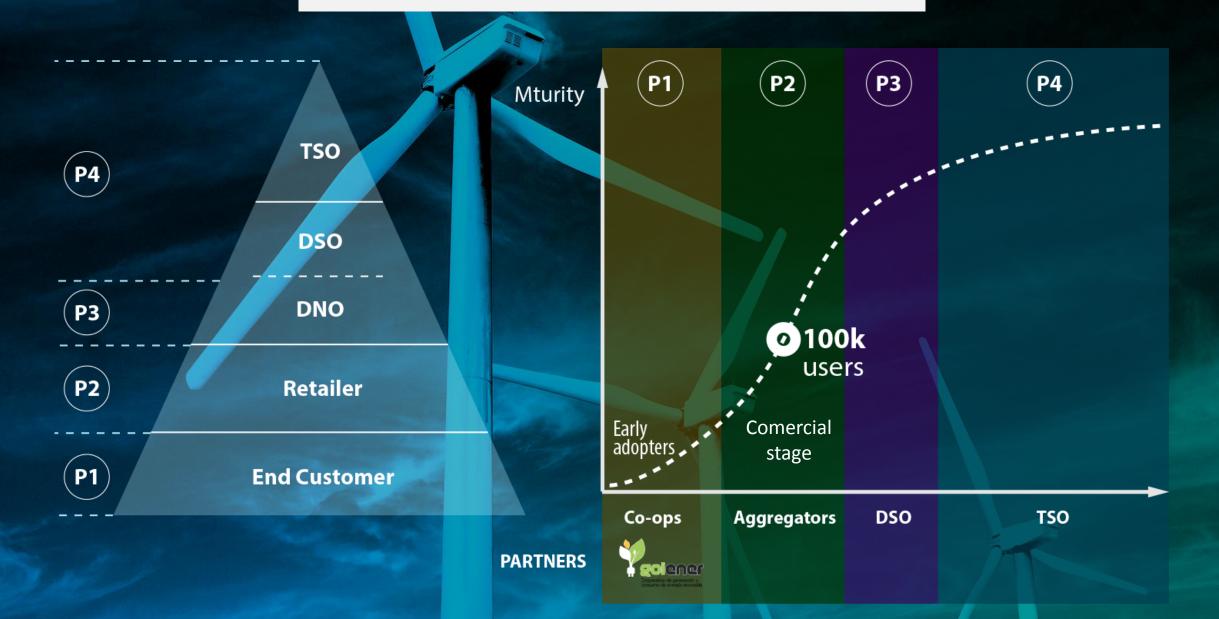
RESCOOP

1000 Co-ops

1M users

Energycity

PROJECT PHASES

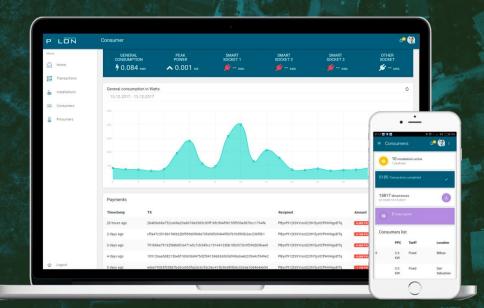


CURRENT STATE: DEMO Phase 1

Demo Phase 1: (Retailer/Co-op)

500 REAL CUSTOMERS





Validation Points

- Analyze the impact of multi-point PPAs programmed on smart contracts.
- Analyze the impact of consumer consumption reduction thanks to smart metering.
- Analyze the possibility of controlling the realtime demand by using remote charge switching.
- Analyze the financial impact of the daily payment option with electronic currency.

CURRENT PHASE

HARDWARE INTEGRATION & PARTNERSHIPS:



















POWER PLANT INTEGRATIONS:

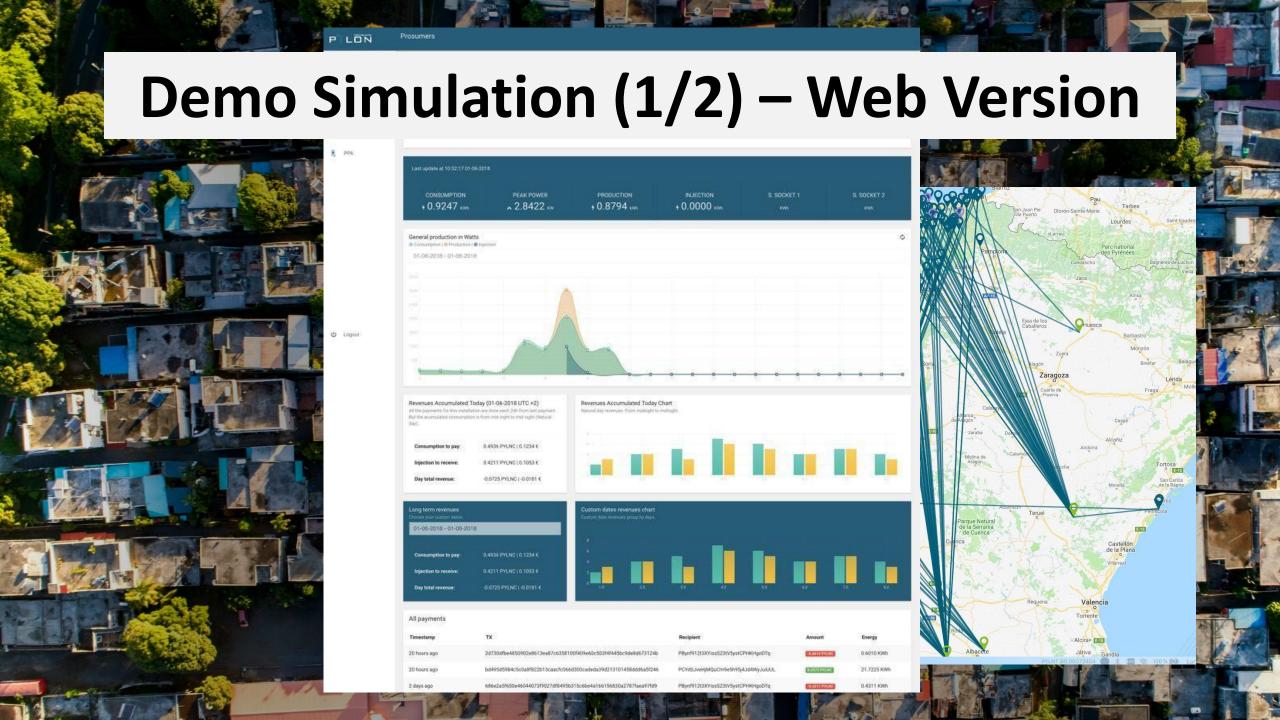




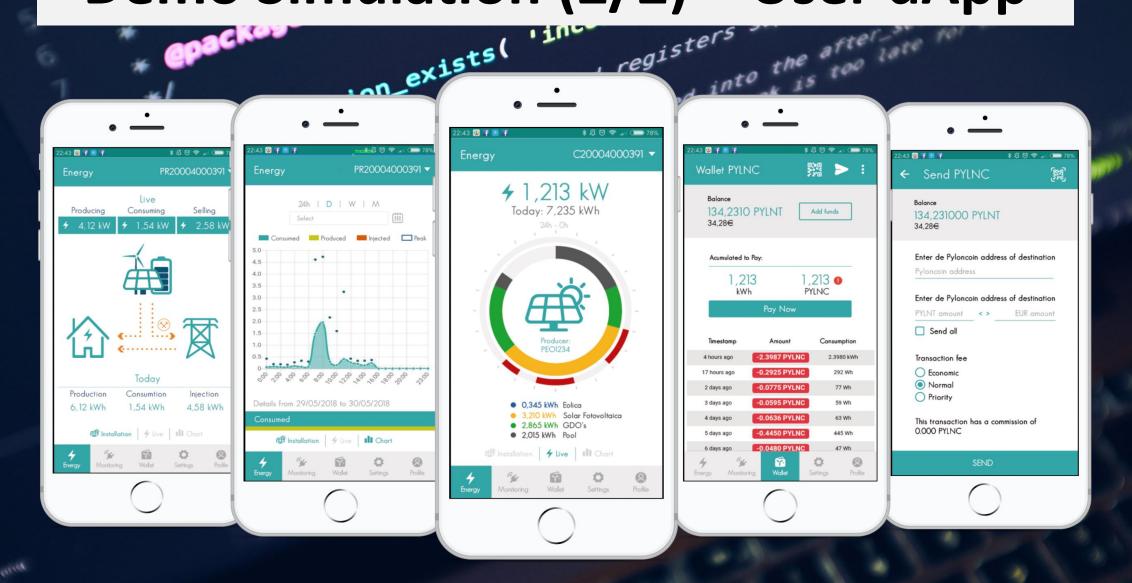








Demo Simulation (2/2) – User dApp



TEAM





Gerard Bel

Industry Automation &

Electrical Enginner



CTO

Agustin Roig

Industrial Enginer &

Product Designer



COO

Markos

Romanos

Sustainable Energy &

Environmental Enginner



CIO

Eugenio Moliner

Electronics Enginner

Specialization in PV



DEV

Marc Feliu

Blockchain and

Fullstack developer



DEV

Cesar Sanz

Electronics Enginner



UK MARKET QUANTIFICATION

Residential solar PV capacity in 2015

Residential solar PV capacity in 2030

Growth rate, 2017-2030

Share of total potential residential solar PV capacity (2030)

Solar PV prosumers as a share of all households (2030)

2,499.00 MW

3,539.90 MW

2.10% pa

13.10%

3.50%

Grid Losses	350 M/year		
Grid Invcentives	269 M/year		
GRID SERVICES			
· Ancilliary	287 M/year		
Capacity	1180 M/year		
· Voltage	6-7 M/year		
Frequency	12 M/year		
· Imbalances	327 M/year		
Consumption reduction	5-20 %		
P2P energy tradiung	2%		

SPANISH MARKET QUANTIFICATION

Residential solar PV capacity in 2015	- MW
Residential solar PV capacity in 2030	- MW
Growth rate, 2017-2030	-% pa
Share of total potential residential solar PV capacity (2030)	%
Solar PV prosumers as a share of all households (2030)	%

Grid Losses	150 M/year			
Grid Invcentives	52 M/year			
GRID SERVICES				
· Ancilliary	177 M/year			
Capacity	687 M/year			
Voltage	517 M/year			
Frequency	774 846			
· Imbalances	774 M/year			
Consumption reduction	5-20 %			
P2P energy tradiung	2%			