



Data services for FlexGrid

GridPocket 28.06.2017

Filip Gluszak, Président - filip.gluszak@gridpocket.com

GridPocket PowerVAS

GridPocket provides **Value Added Services** platforms to Energy Utilities and Service Providers (200B\$ industry):

- Enable **immediate** rollout of digital strategies (energy transition)
- Increase **profitability** (churn, services, optimization)
- 80% **less expensive** to deploy then in-house approach



GridPocket SAS

Skilled team and founders



Filip Gluszek – CEO, MBA, ENG
Strategy Philips Consumer,
NEC Princeton USA , Startups
France, Poland



Luc Juggery – MBA, ENG
Airbus, EADS, Texas Instruments,
OpenSource



Laura Draetta – PhD
Social Dynamics, Italy,
France, Belgium, USA Berkeley



Yann Esposito – PhD
Machine Learning
AirFrance, OpenSource



Guillaume Pilot – ENG
Energy software
Inria Research Engineer

Unique and protected technologies



EcoTroks
(trade secret)



Time Series Lab
(Patent pending)



EV and home
(Patent)

Partnerships with global industry leaders



First-mover advantage



Award '11



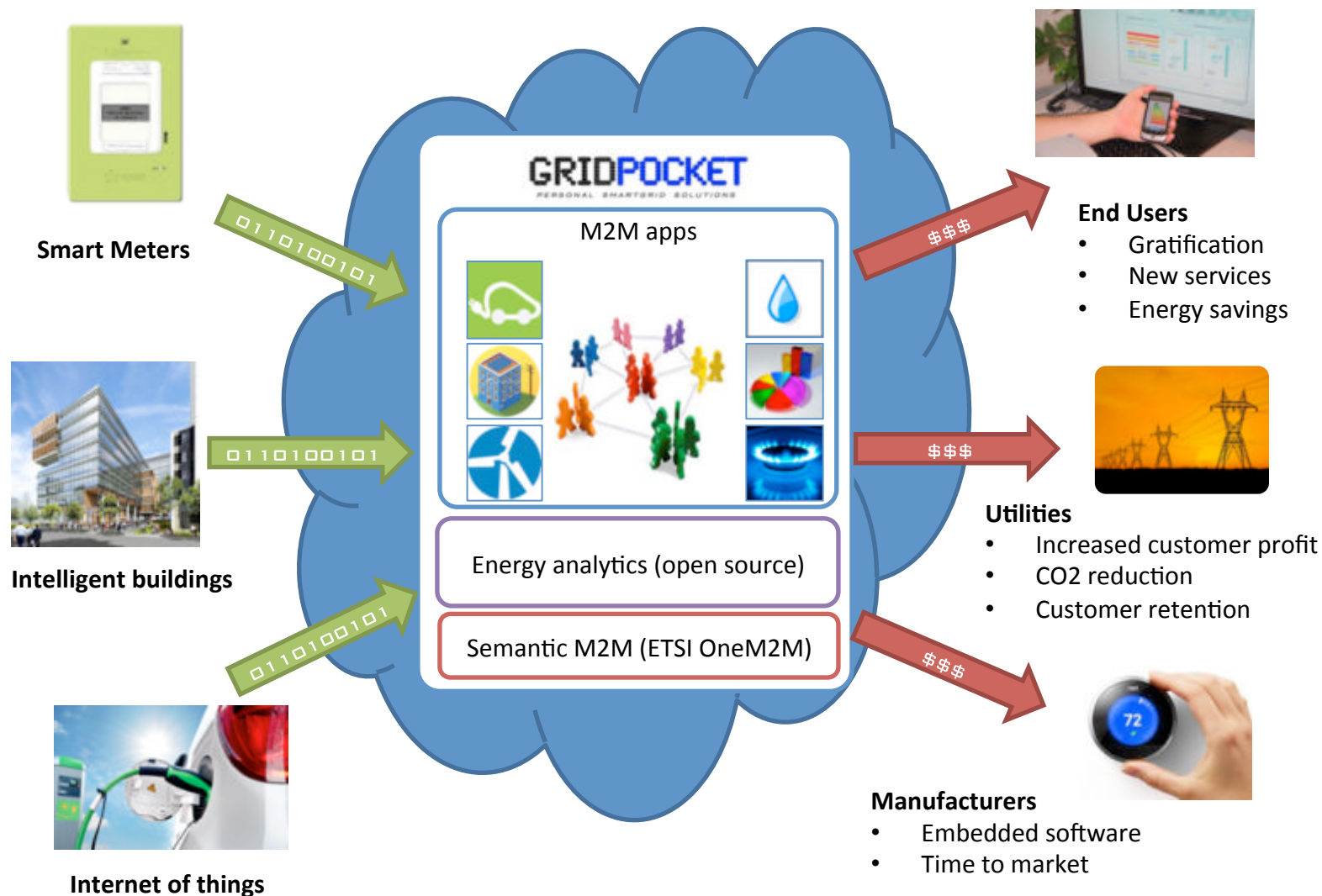
Award '12



Award '13

Award '15

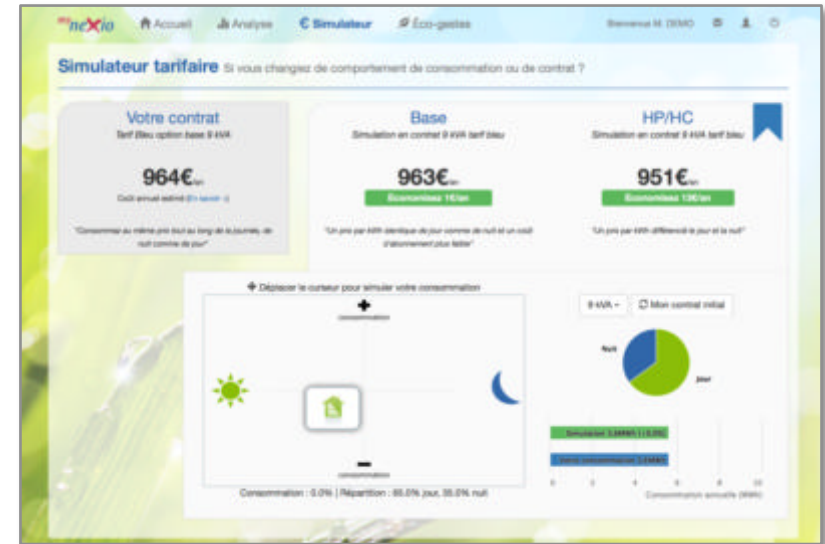
System architecture PowerVAS



Smart user services



Accueil et synthèse



Simulateur tarifaire

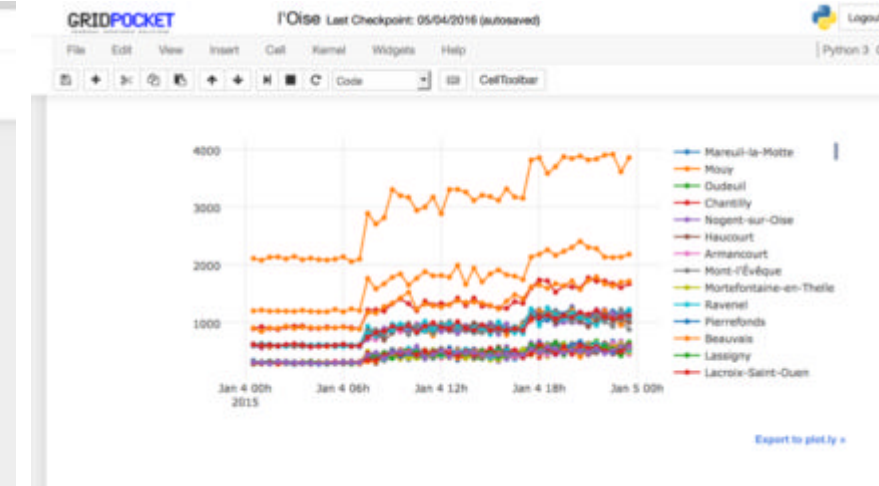
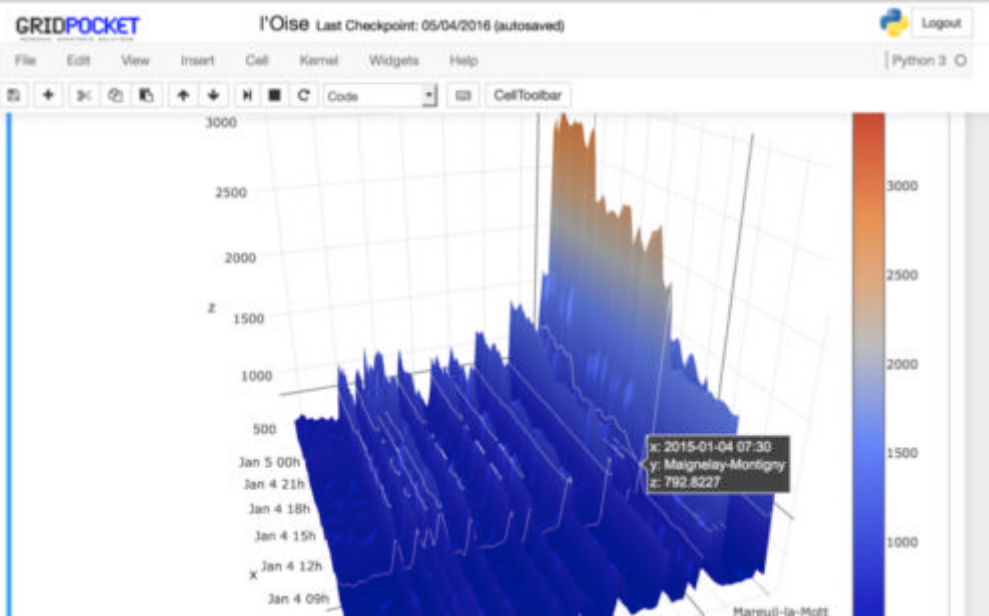
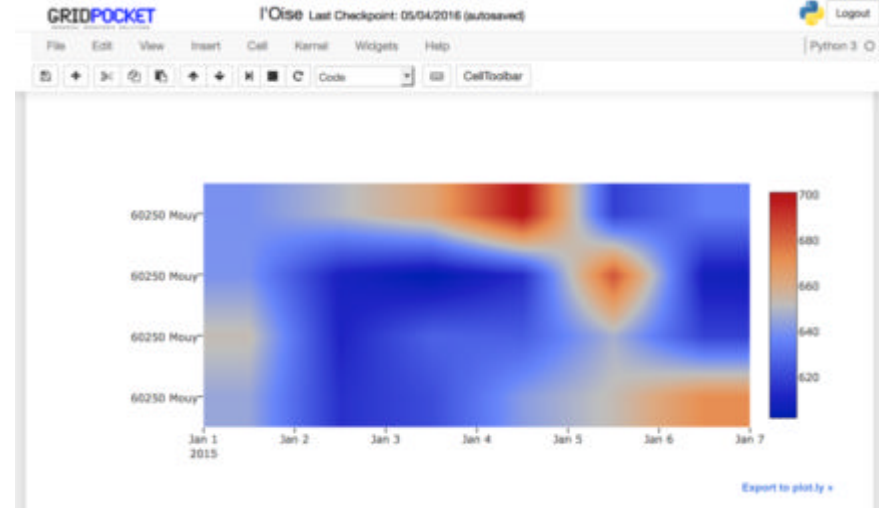


Analyses de données compteur



Conseils énergétiques

Data analytics



PowerVAS - Internet of things and smart meters integration



nest

SIEMENS

ZWAVE

SIGFOX
One network. A billion dreams.

netatmo

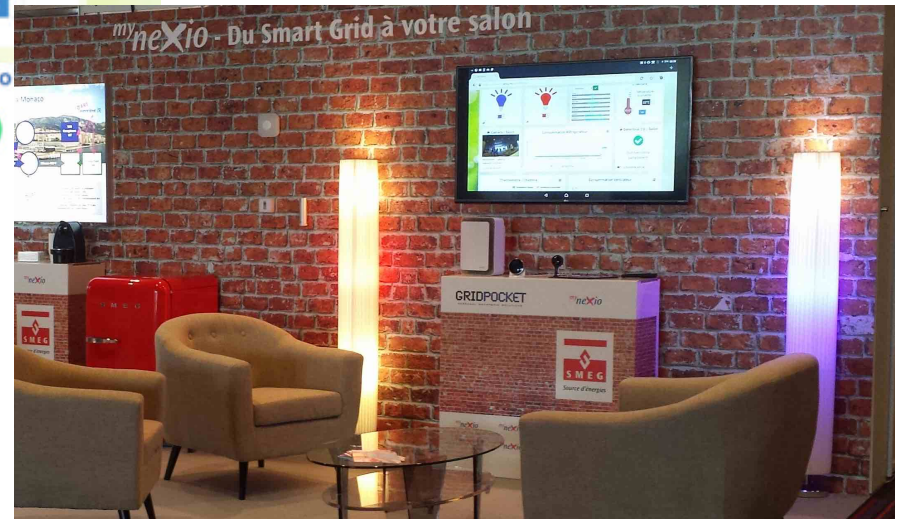
FIBARO
Home intelligence

HomeKit

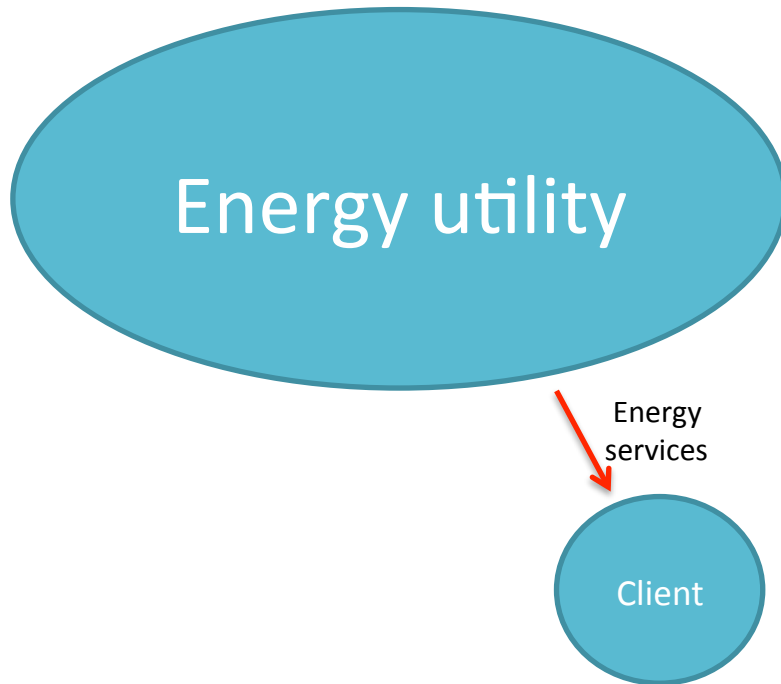
LIFX

WIT

- Demand Response
- Remote building control
- Centralized programming

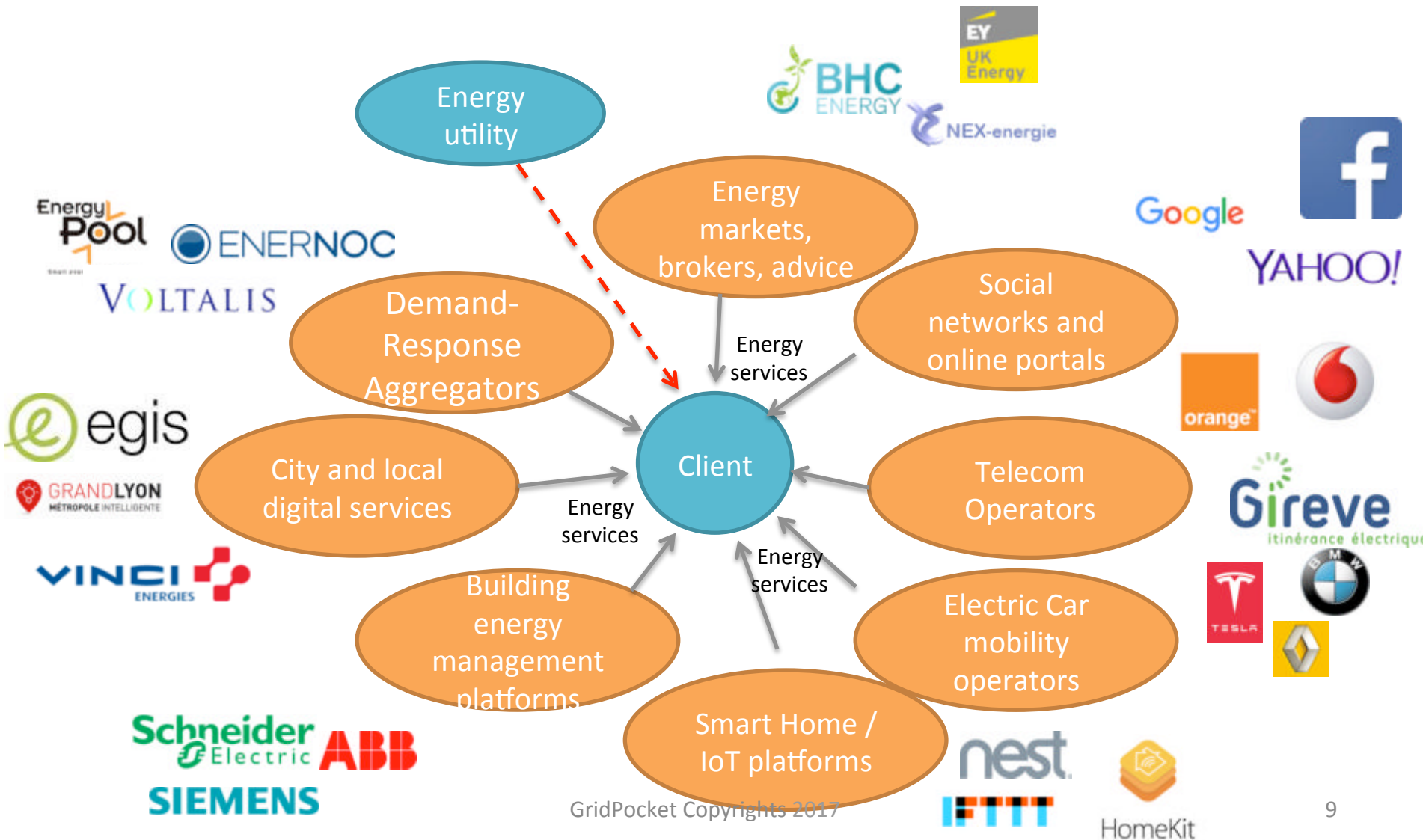


Relationship of Utilities and Customers evolving over time.

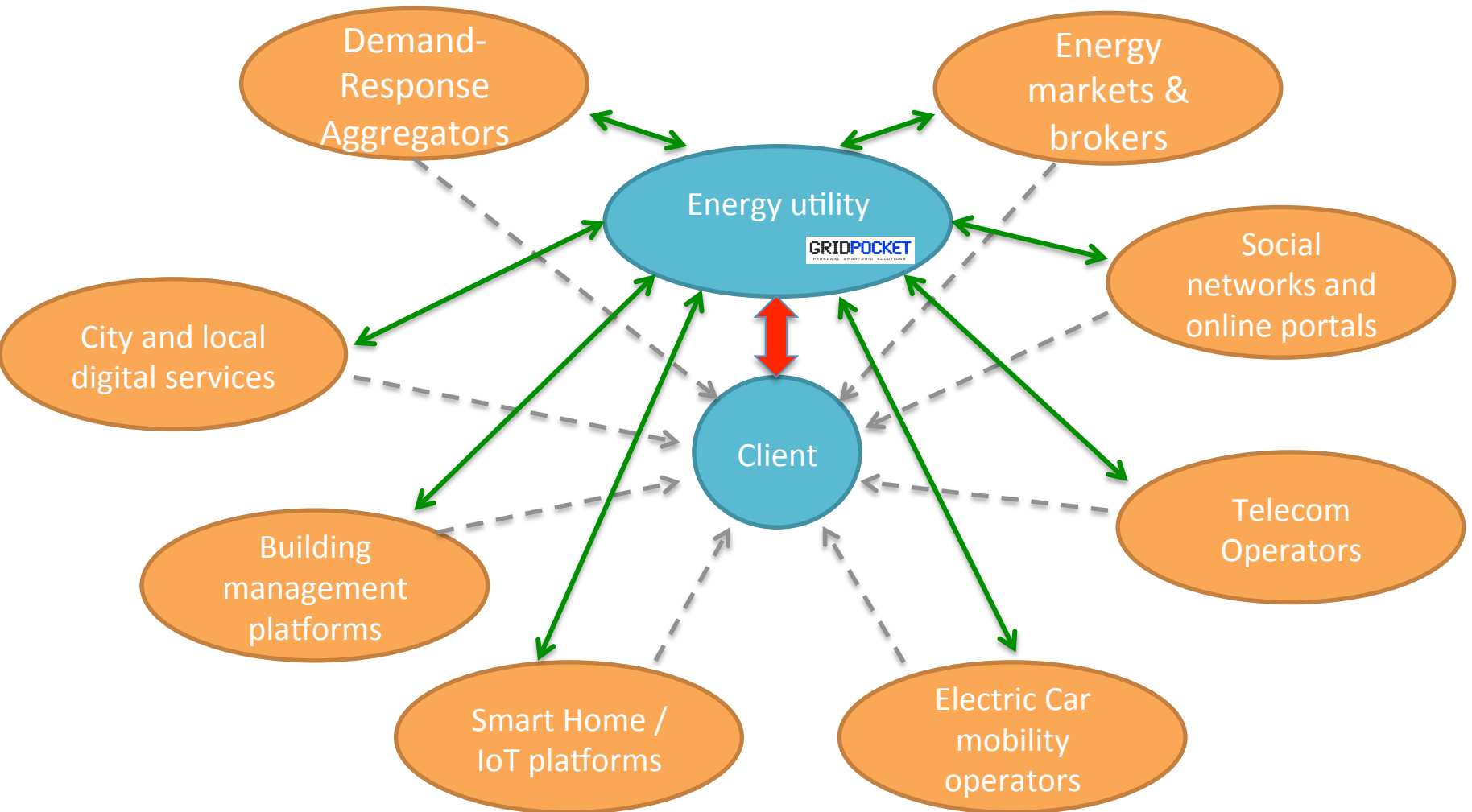


Initially energy utilities used to enjoy exclusive relationship with their customers.

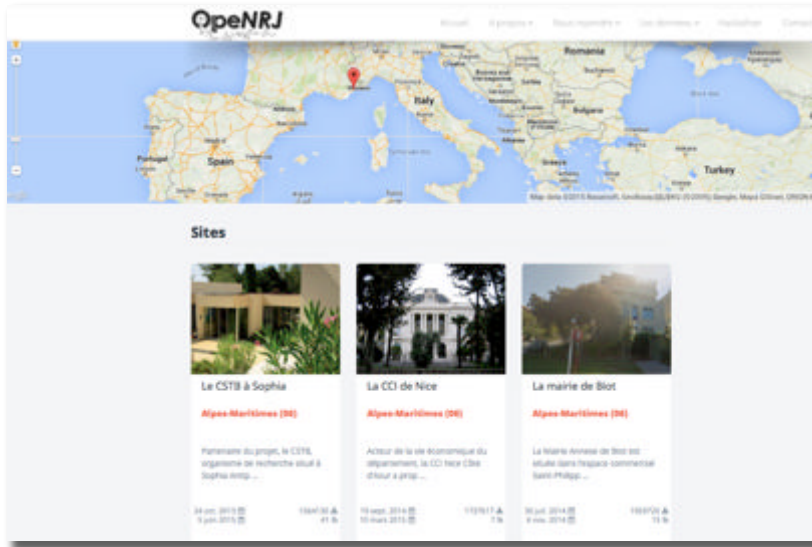
Utilities are no longer leading the energy market transformation



Utility must claim their part of the digital energy ecosystem



Free sharing of energy data

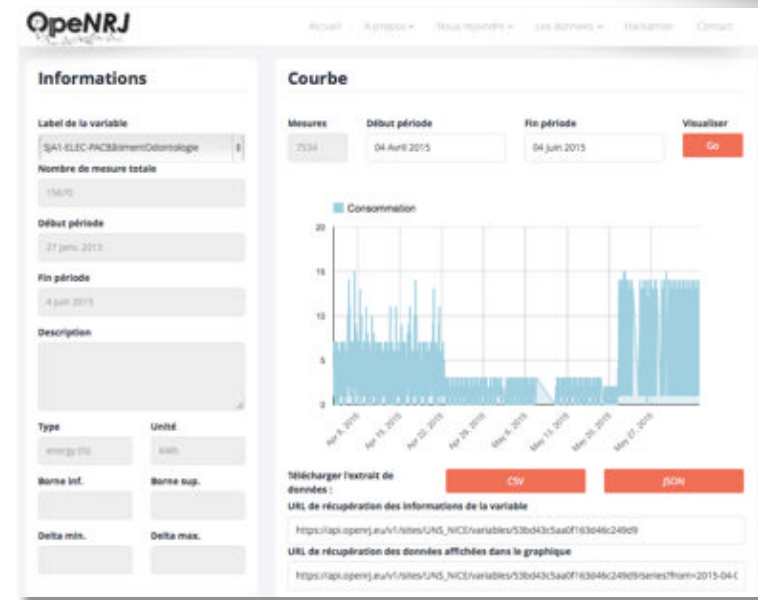


- Plateforme de données ouvertes (Open Data).
- Obj: avoir une communauté !



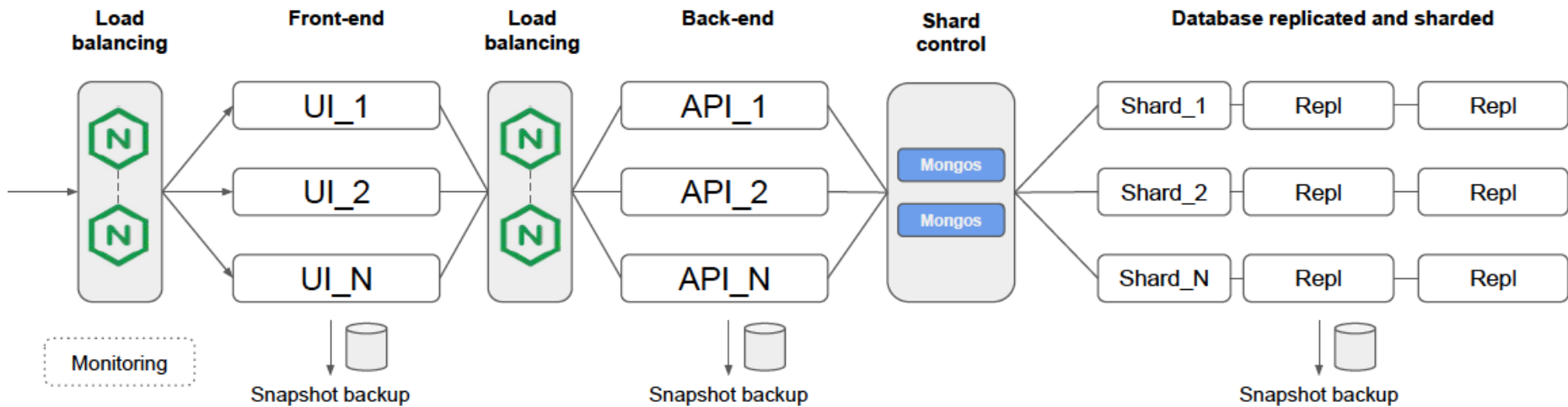
- Jeux de données nécessaires aux acteurs en R&D applicative.
- Extensions de la plateforme Linky
- Projets de recherche EU

www.openrj.eu



Scalable and resilient platform

- Designed to grow up millions of end-users
- No-single-point-of-failure architecture
- Dedicated to web applications



Data privacy

- EU General Data Protection Regulation - ongoing
 - **Privacy by Design** and by Default (article 23)
 - Consent (article 7)
 - Data breaches and transparency (article 31, 32)
 - **Right to erasure** (right to be forgotten)
 - Data portability
 - Sanctions up to **100 million EUR** or 5% annual worldwide turnover
- Adoption in 2016, enforcement from 2018
- Privacy
 - K-anonymity, L-diversity (obfuscation)
 - Differential privacy (noise)
- Security data
 - CERT data exchanges (Computer Emergency Response Team)

ICON	ESSENTIAL INFORMATION	FULFILLED
	No personal data are collected beyond the minimum necessary for each specific purpose of the processing	
	No personal data are retained beyond the minimum necessary for each specific purpose of the processing	
	No personal data are processed for purposes other than the purposes for which they were collected	
	No personal data are disseminated to commercial third parties	
	No personal data are sold or rented out	
	No personal data are retained in unencrypted form	

COMPLIANCE WITH ROWS 1-3 IS REQUIRED BY EU LAW



EU General Data Protection Regulation



Thank you ! Merci !

Email : filip.gluszek@gridpocket.com

Phone : +33 6 79 73 90 52