Data services for FlexGrid
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 than in-house approach
GridPocket SAS

Skilled team and founders

Filip Gluszak – 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

GridPocket Copyrights 2017
System architecture PowerVAS

- Smart Meters
- Intelligent buildings
- Internet of things

M2M apps
- Energy analytics (open source)
- Semantic M2M (ETSI OneM2M)

End Users
- Gratification
- New services
- Energy savings

Utilities
- Increased customer profit
- CO2 reduction
- Customer retention

Manufacturers
- Embedded software
- Time to market

GridPocket Copyrights 2017
Smart user services

Accueil et synthèse
Simulateur tarifaire
Analyses de données compteur
Conseils énergétiques

GridPocket Copyrights 2017
PowerVAS - Internet of things and smart meters integration

- 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

- Energy utility
- Energy markets, brokers, advice
- Social networks and online portals
- Telecom Operators
- Electric Car mobility operators
- Smart Home / IoT platforms
- Building energy management platforms
- City and local digital services
- Demand-Response Aggregators
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-anonimity, L-diversity (obfuscation)
  - Differential privacy (noise)

- Security data
  - CERT data exchanges (Computer Emergency Response Team)
Thank you ! Merci !

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