



WEBINAR

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**EPES and Smart GRIDS:
practical tools and
methods to fight against
cyber and privacy attacks**

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11 AM CET

ENERGY SHIELD SDN-μSense Sealed GRID DEFEND



The DEFEND project to help GDPR compliance in the Energy Sector

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The Defend project



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 787068



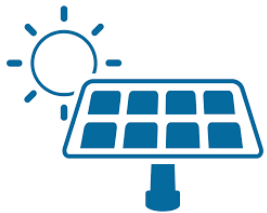
DEFEND is an international partnership. Its purpose is to deliver a platform to empower organisations in different sectors to assess and comply to the European Union's General Data Protection Regulation (GDPR)

Energy sector: Recent massive influx of data



Digitalization

- **High temporal frequency data allow consumption and production real-time management**



Energy transition

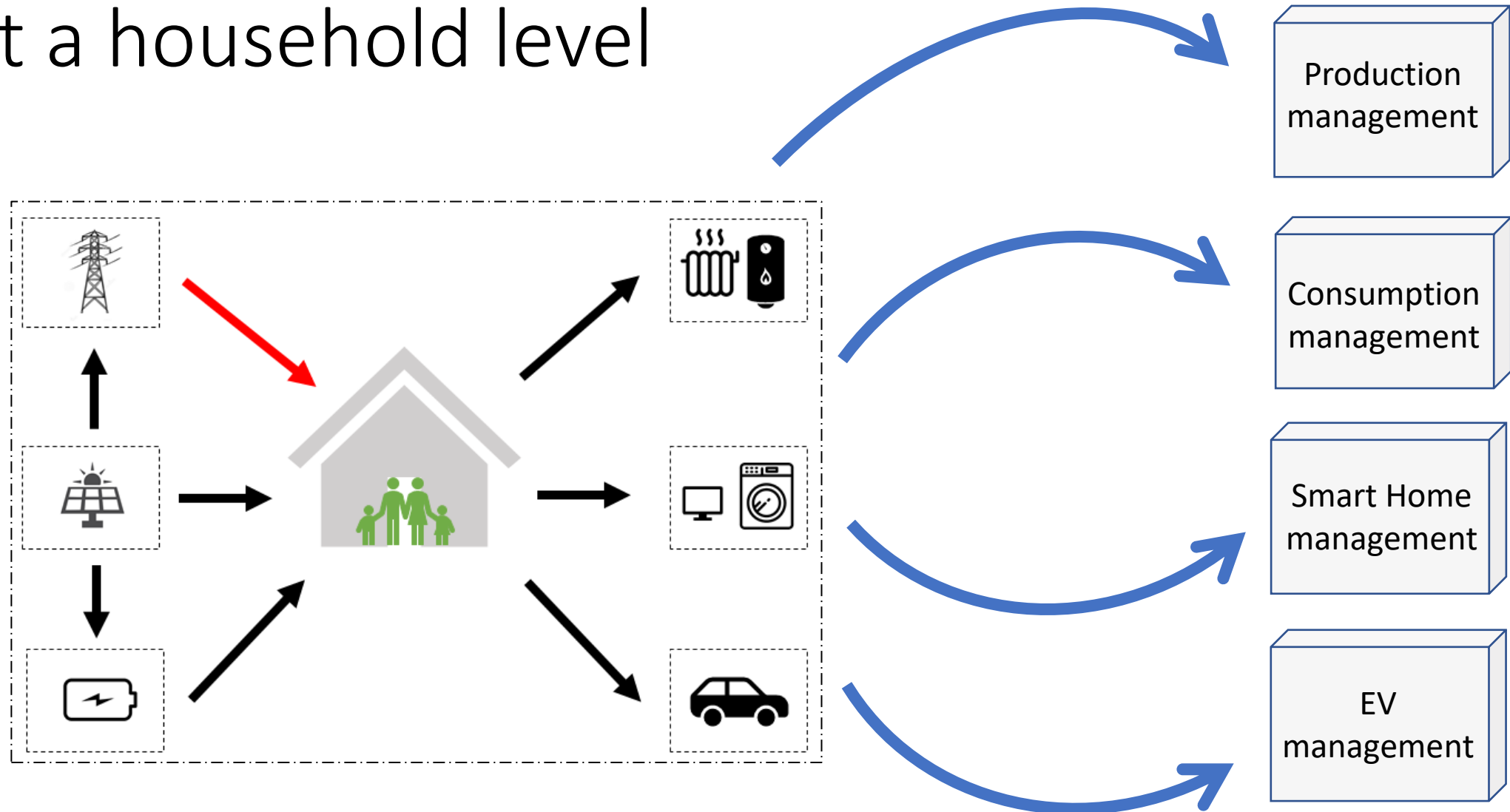
- **New digital tools considered as the keys of the energy transition**



De-regulation

- **Data portability is one of the key of energy deregulation**

At a household level



GDPR concerns privacy and security for different data that can be processed at different places by different companies

The example of smart meters (Linky in France)



- Huge amount of data (consumption data collected at a 30mn step)
- Behavioural and technical tool to reduce consumption data at a household level

- Fear of end-users concerning their privacy
- Who is going to use my data? And for which purpose?

Accueil / Economie / Énergie / Compteur Linky

Le compteur Linky épinglé par la Cnil

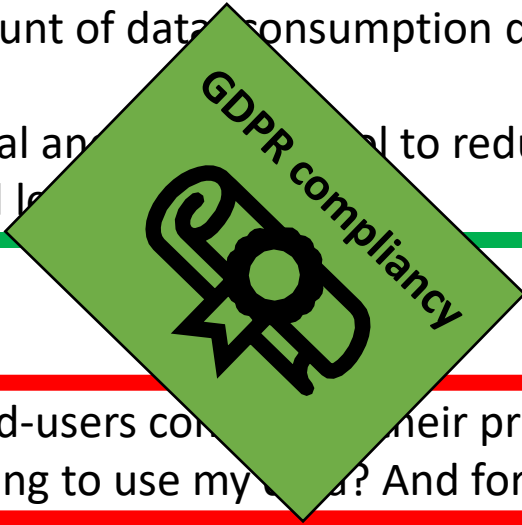


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- Behavioural analysis and incentives to reduce consumption data at a household level

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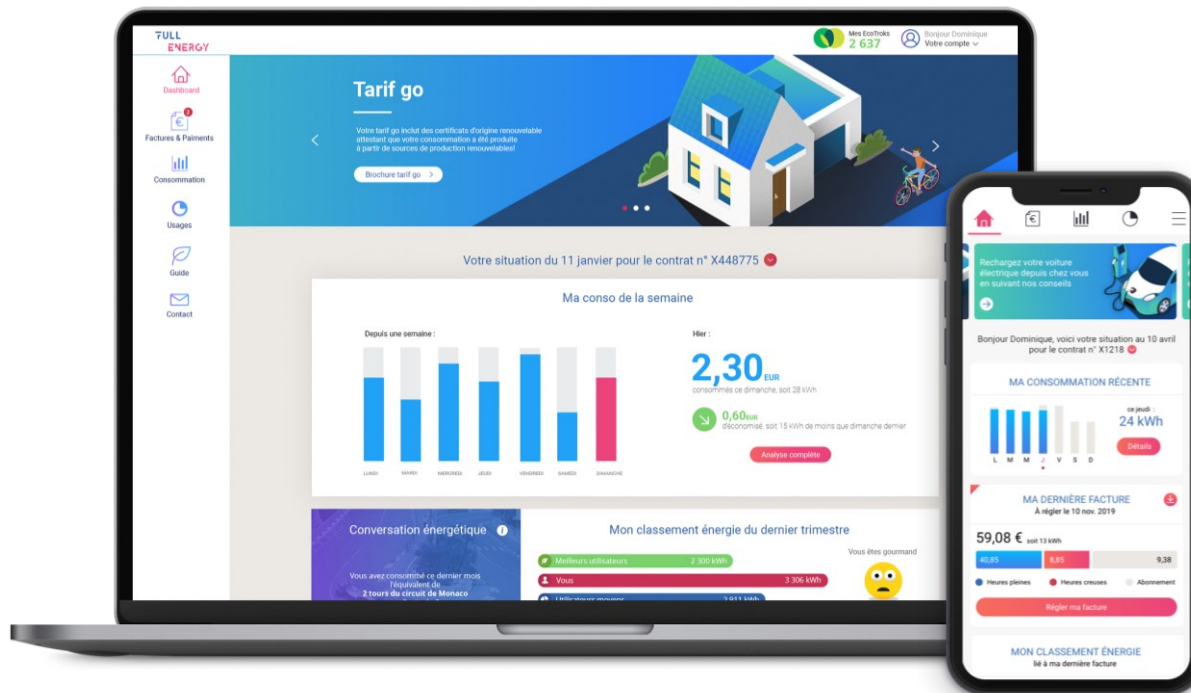
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GridPocket: A natural pilot for the Defend project

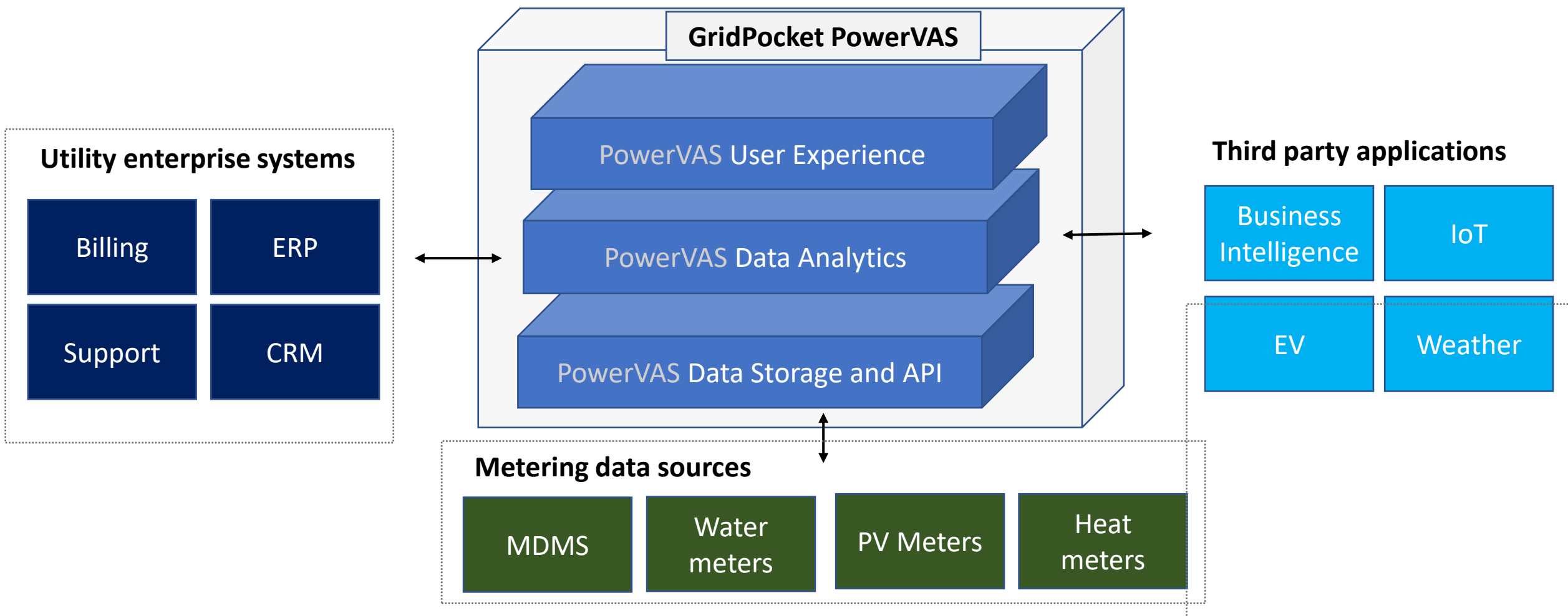
- GridPocket provides web and mobile solutions to utility companies and to their end-users



- ✓ Customizable “white label” online agency
- ✓ Residential and Business energy management modules
- ✓ Multiple user profiles: consumers, professionals, data analyst, customer relationship services, ...

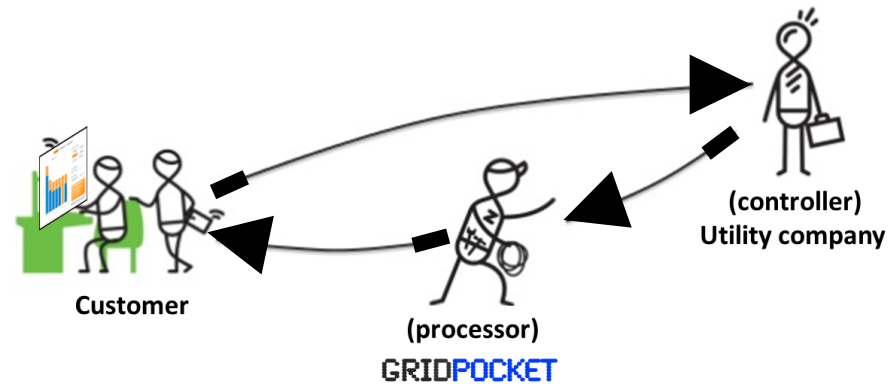
Purpose: Optimizing customer satisfaction by optimizing the utility and the usability of energy management solutions (smart analytics, rich behavioral solutions (gamification))

GridPocket: A natural pilot for the Defend project



The Defend platform should be a strong support for GridPocket in order to respect GDPR rules across its multiple energy data interactions

GridPocket: A natural pilot for the Defend project



The Defend platform should help GridPocket to follow GDPR rules at different processing levels in order to respect the privacy and security rights of its customers and data controller