

Adapt & Play Holistic Cost Effective and user-friendly Innovations with high replicability to upgrade smartness of existing buildings with legacy equipment

# **Self-Consumption Optimization Service**

**User Guide** 



This project has received funding from the European Union's Horizon 2020 Framework Programme for Research and Innovation under grant agreement no 893079.



The Self-Consumption Optimization service of the Phoenix platform provides to its users useful recommendations on how to exploit better their EV chargers and/or battery in order to achieve lower consumption of energy from the grid when there is a photovoltaic present.

The available optimization use cases are:

- PV with EV chargers
- PV with battery
- PV with battery and EV chargers

There is an extra service provided to the users of the KAMA pilot, regarding blackout support. Given that the building manager is aware of a possible blackout at the next day, he/she can trigger the service during the previous day.

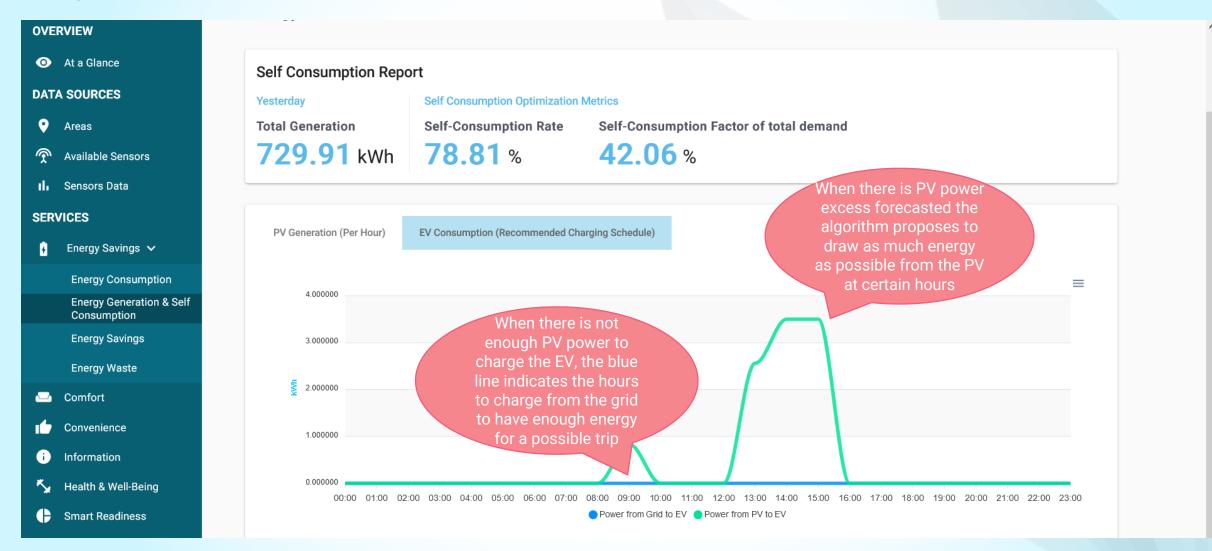


**PV** with EV charger

First optimization solution for demos with PV and EV charger (with possibility to charge an EV)

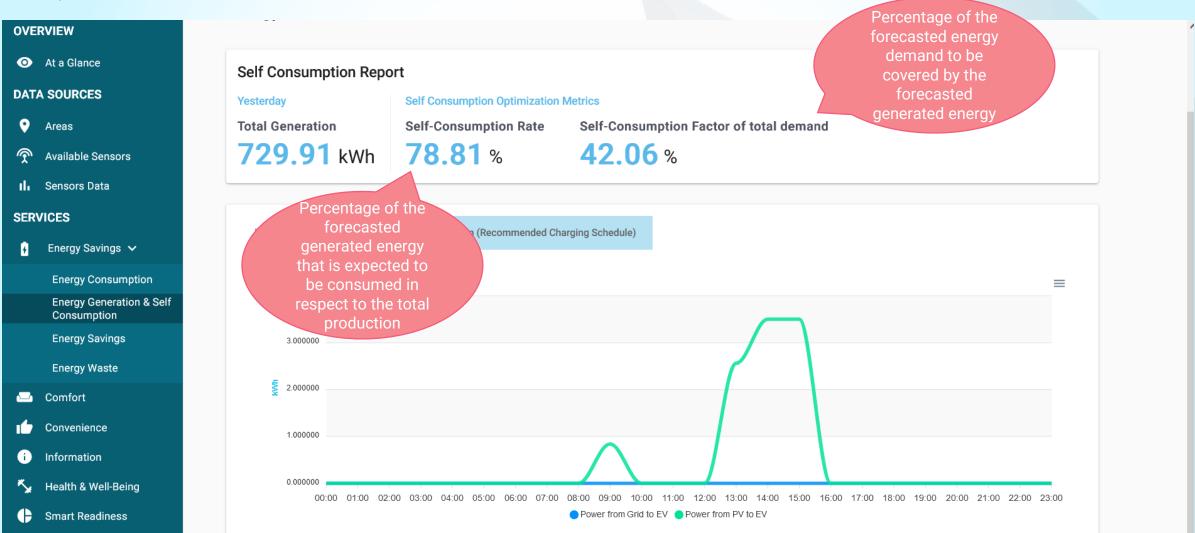


### **PV with EV charger**





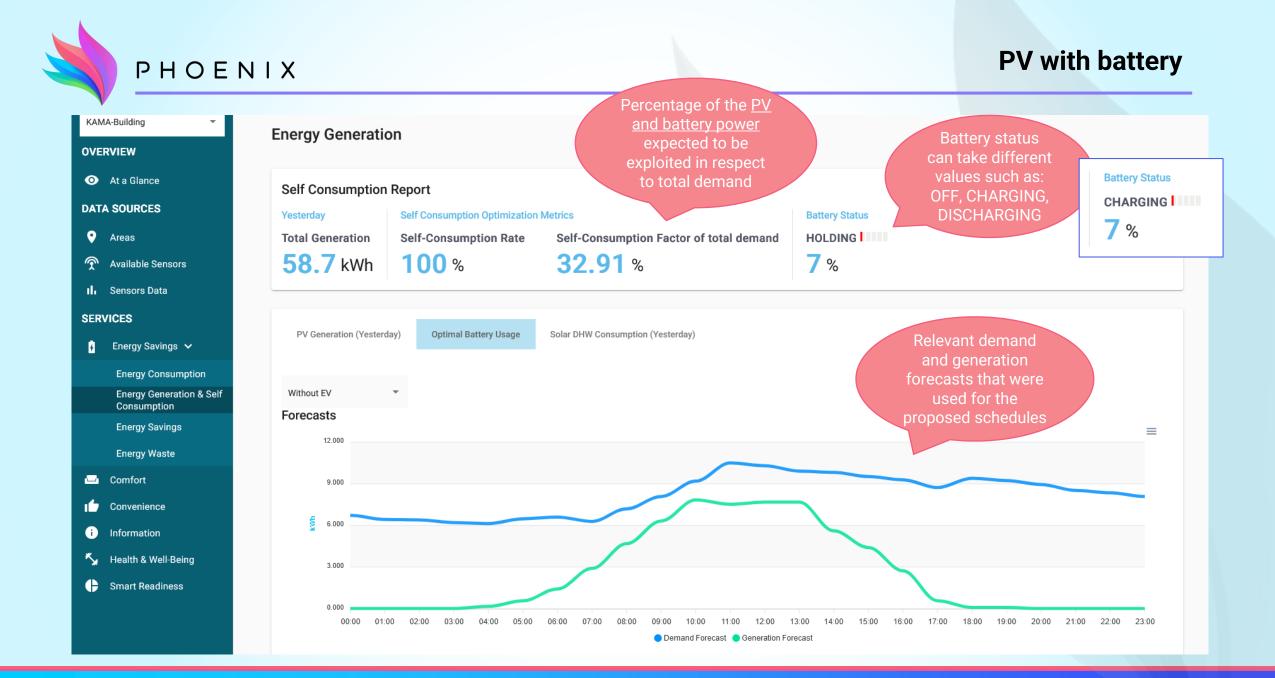
### **PV with EV charger**





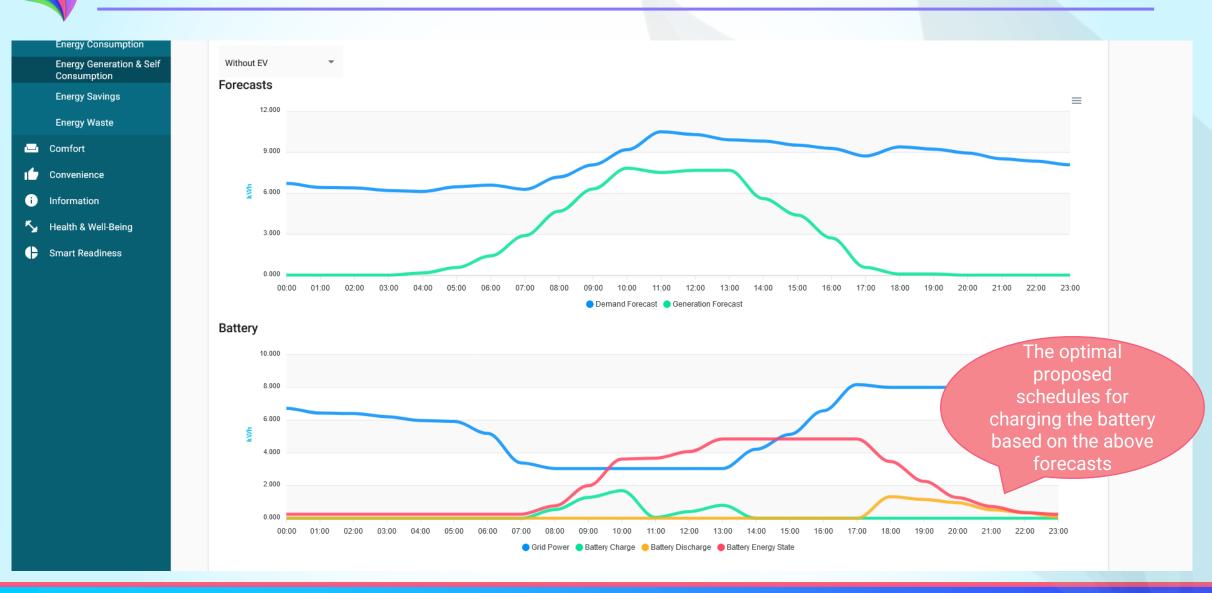
**PV** with battery

Second optimization solution for demos with PV and battery storage installed



PHOENIX

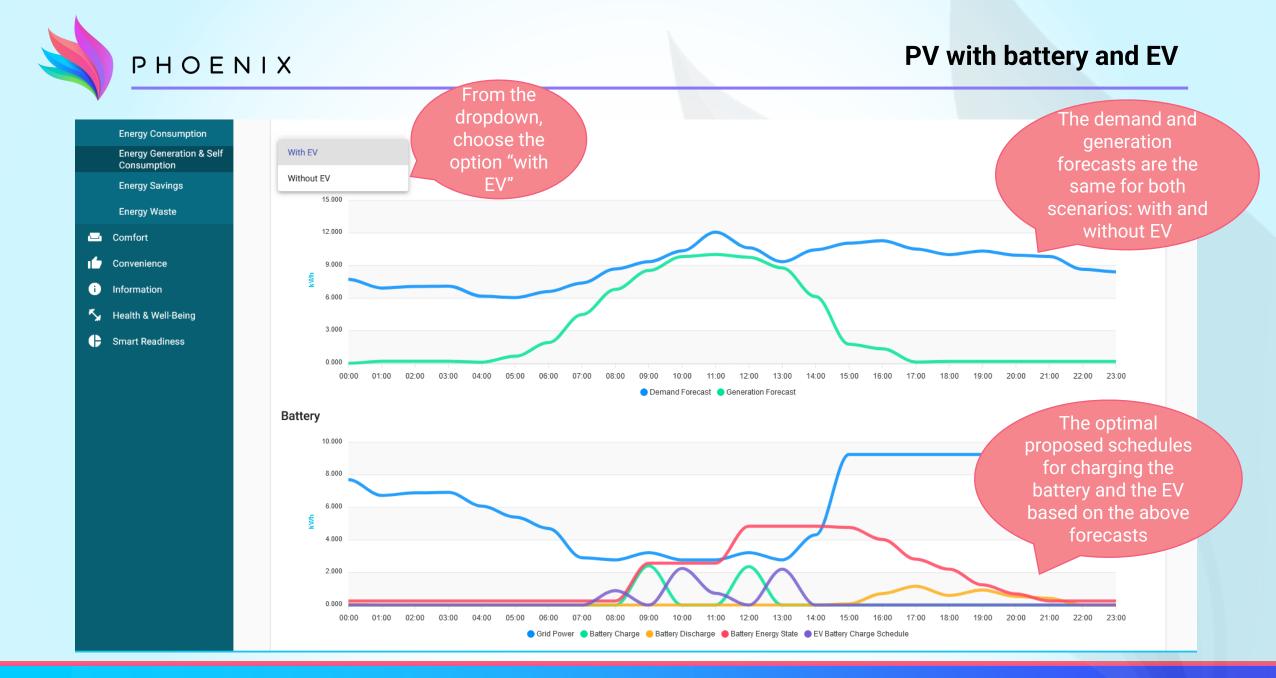
## **PV with battery**





PV with battery and EV

Third optimization solution for demos with PV, battery storage and EV charger (with possibility to charge an EV)





## **Choosing graph lines**



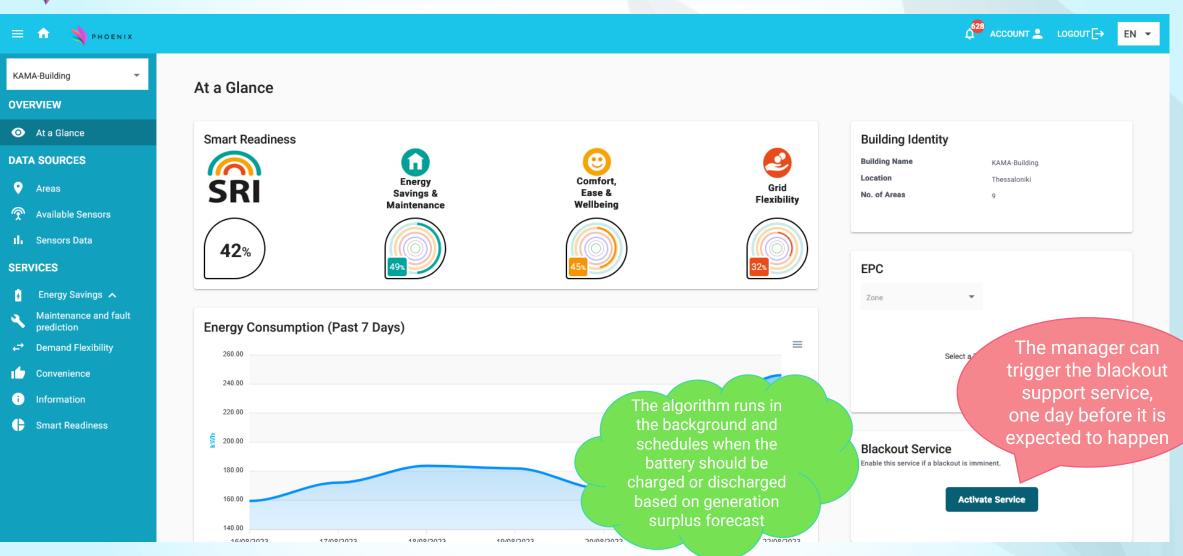


**Blackout Support Service** 

The blackout support service does not offer a dedicated visualization but a triggering option on the dashboard



## **Blackout Support Service**





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# Thank you

If you have any further question or you need assistance, contact:

Eleftheria Petrianou, epetrianou@ubitech.eu

Magda Foti, mfoti@ubitech.eu



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