

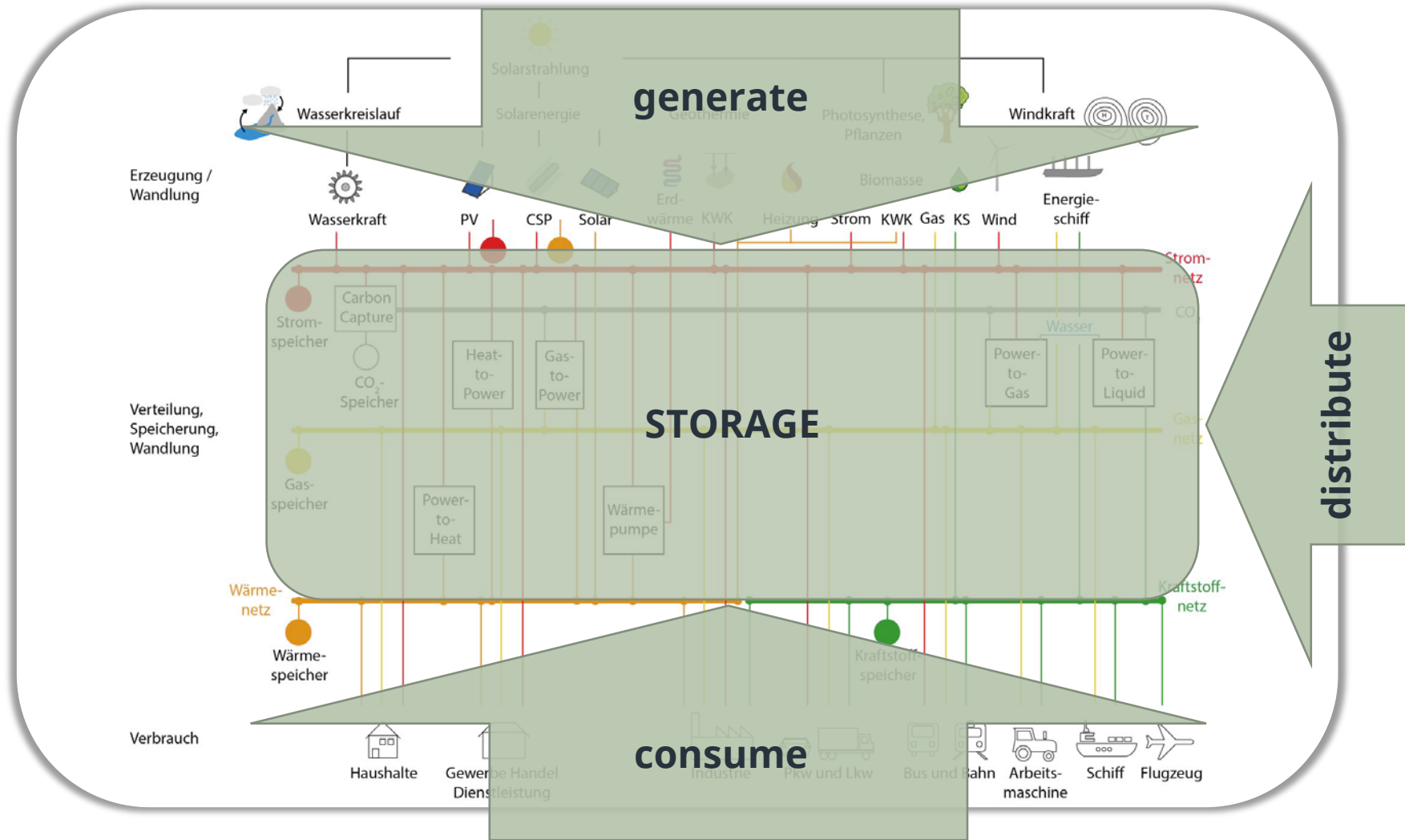


24hrs sun

Fronius International, Hannes Heigl, 23.11.2021  
Information Class: Confidential



# Energy storage system overview



# 24 hrs sun

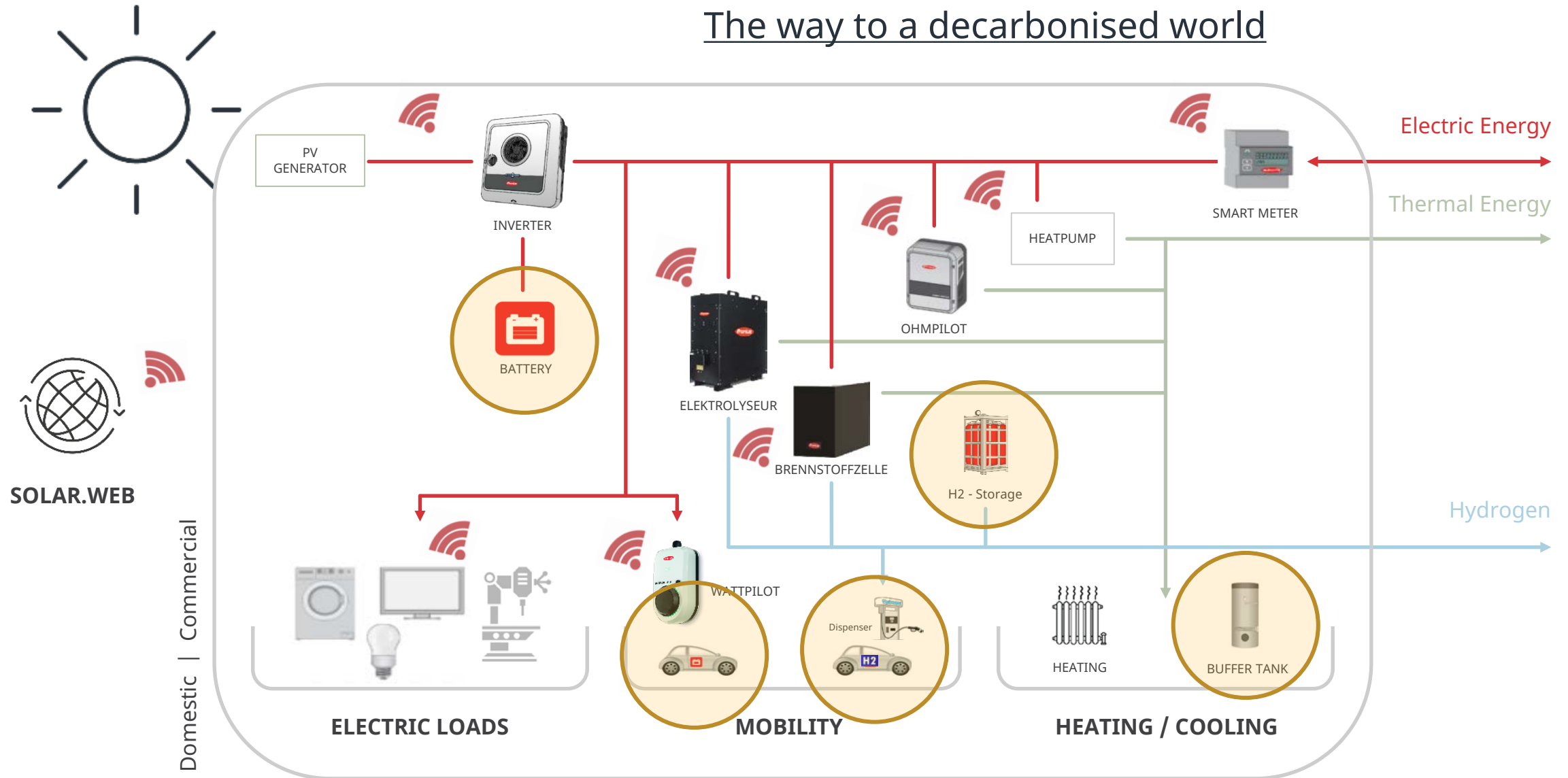
Whenever we develop new technologies and solutions we ask ourselves:

DOES IT ENHANCE?



# 24h Sun Generator

The way to a decarbonised world



# Storage research @ Fronius

## STORAGE MANAGEMENT

## ENERGY CONVERSION

## BUSINESS MODELS

Erigenia

DRES2Market

UCERS

User Grids

Car2Flex

HySnow

HyFleet

HyTechBasis 4 WIVA

HERO

HyTechonomy

InduGrid

InduGrid

Flex+

Flex+

Plan4Energy

# Lets have a closer look

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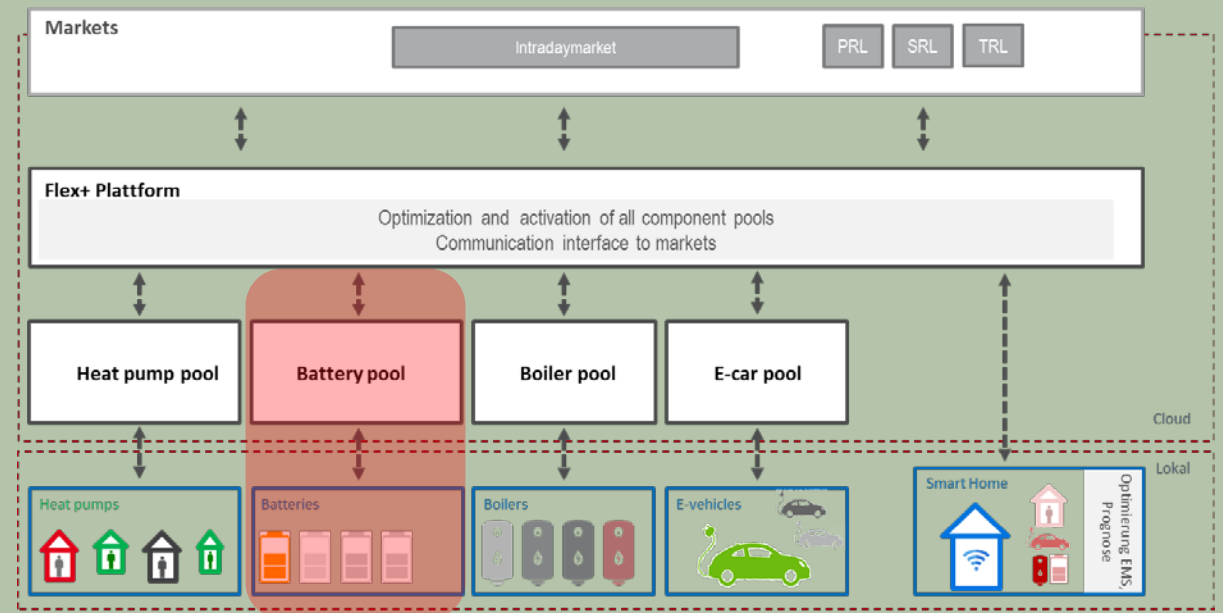
# Flex+

- Concepts developed and large-scale real-world tests to enable flexibility of prosumer components such as heat pumps, boilers, PV storage systems and e-mobility for **selected services supporting the energy system**

- FFG funded: 1.5.2018 – 30.4.22

- Pays for

**STORAGE MANAGEMENT  
BUSINESS MODELS**





# HySnow

- Decarbonization of winter tourism
- Development of **H2 onsite production** and fuelling application for alpine areas
- FFG funded: 1.4.2017 – 31.3.22
- Pays for

**ENERGY CONVERSION**  
**STORAGE MANAGEMENT**

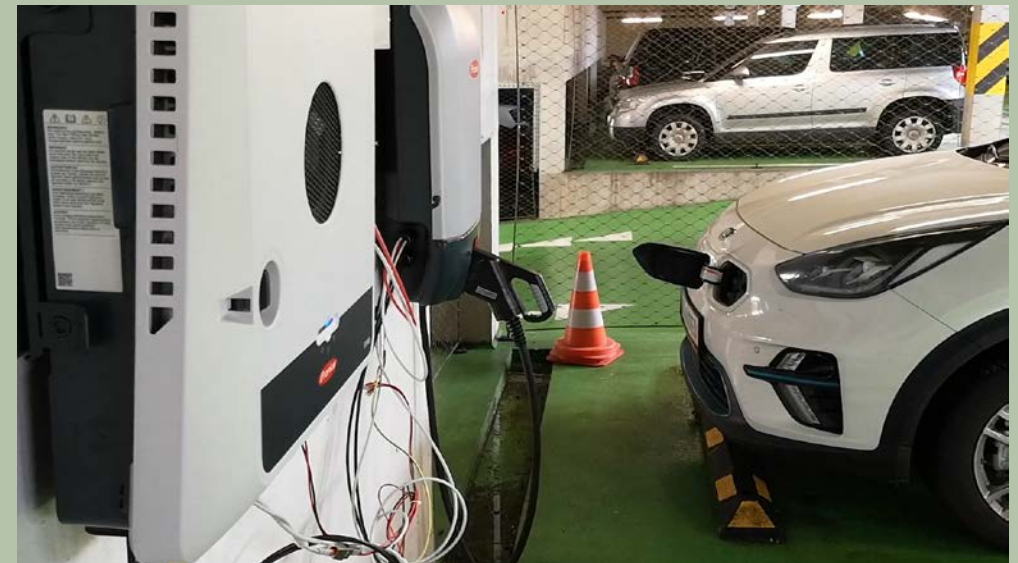




# Car2Flex

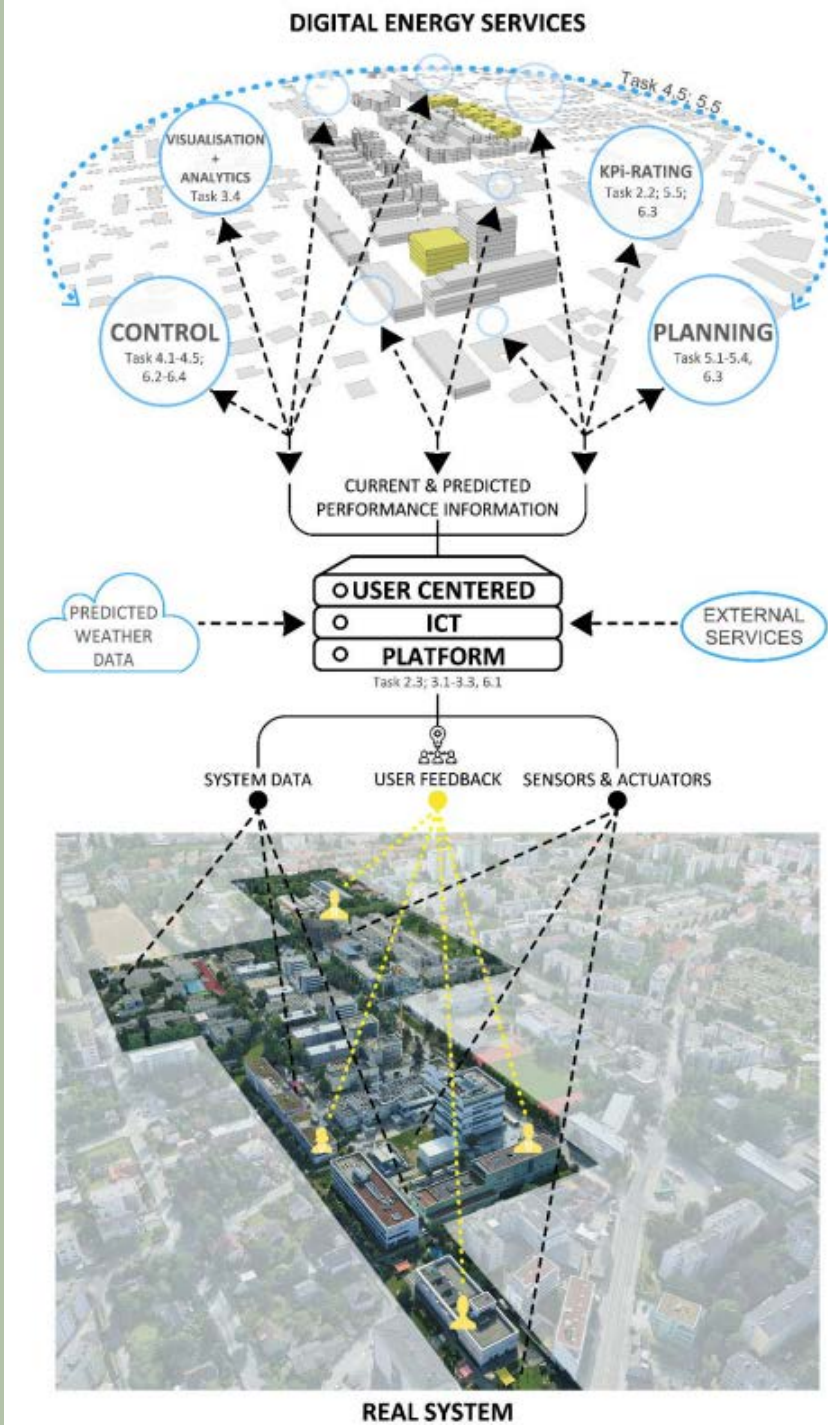
- development, implementation and operation of user-centric solutions for **bidirectional DC-Charging** of electric cars in different use cases (sharing, Fleet, individual)
- FFG funded: 1.1.21 – 31.12.24
- Pays for

STORAGE MANAGEMENT  
ENERGY CONVERSION  
BUSINESS MODELS



# USER GRIDS<sub>s</sub>

- Development of user-centred energy services at city district level.
- Development of the **optimization algorithm** and system simulations
- FFG funded: 1.3.21 – 29.2.24
- Pays for **STORAGE MANAGEMENT**





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