

# SunBESSy

Battery Energy Storage System

The Advanced Home Storage

27.04.2016 / Timo Rogge

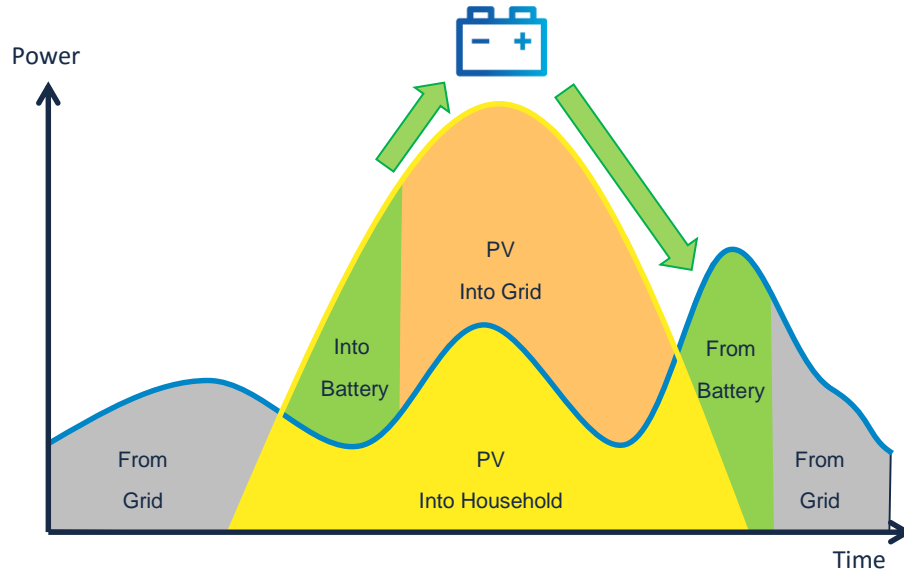
# SUNBESSY – THE ADVANCED HOME STORAGE

## ➤ SunBESSy – The advanced home storage

- Li-Ion battery from BMW
- Energy content: 26.4 kWh
- Rated power: 27 kW



# OWN CONSUMPTION & AUTARKY



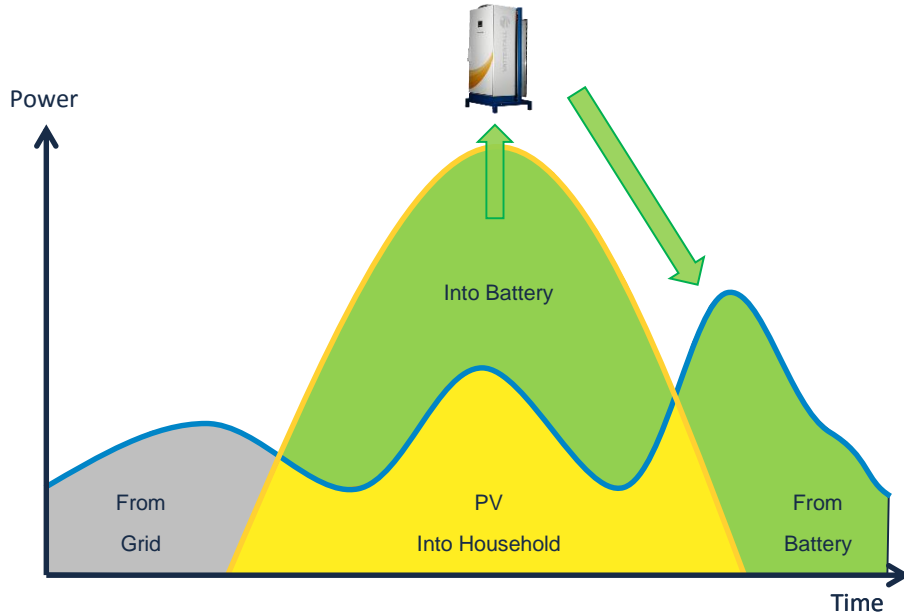
— Household Power Demand

— PV Power

With common home storage:

- ✗ Low own consumption & autarky
- ✗ Stress the grid

# OWN CONSUMPTION & AUTARKY

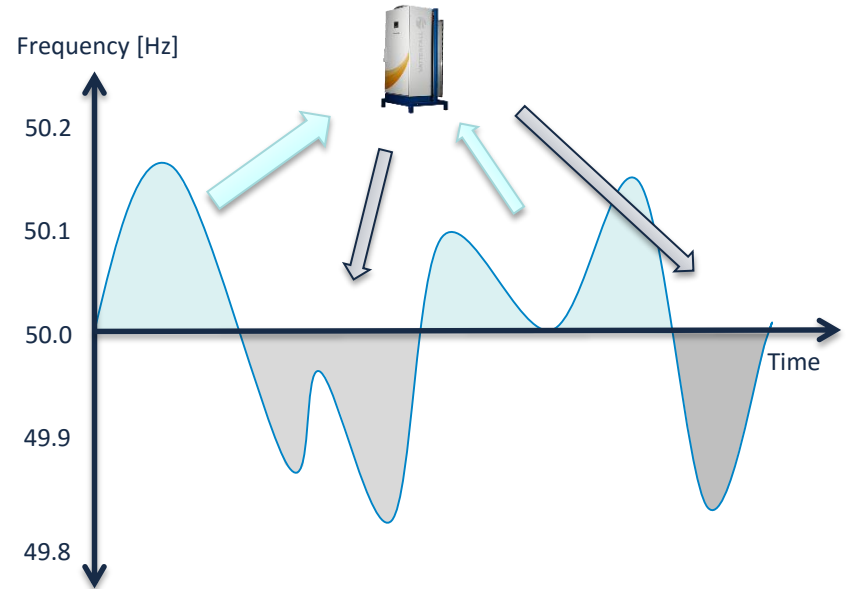
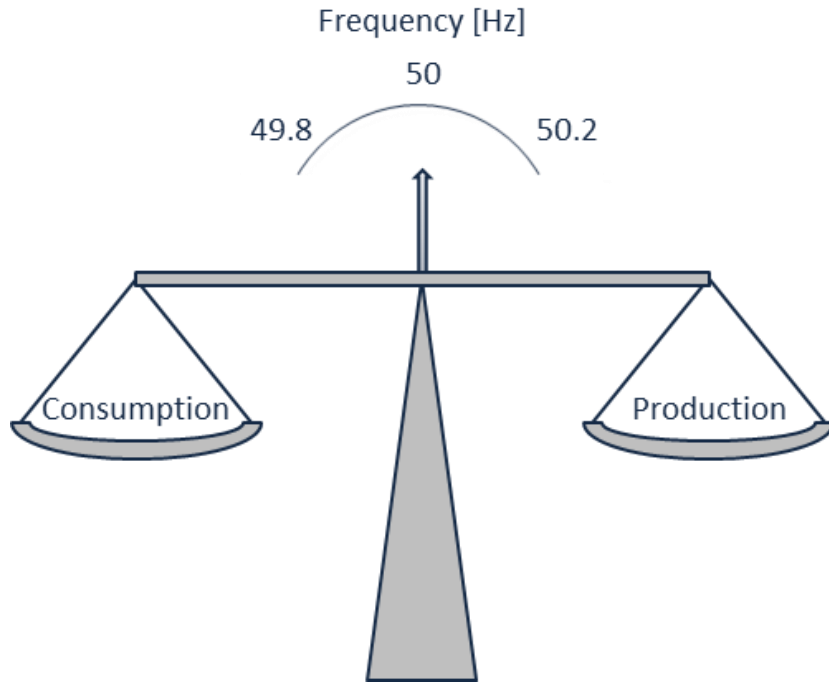


With SunBESSy:

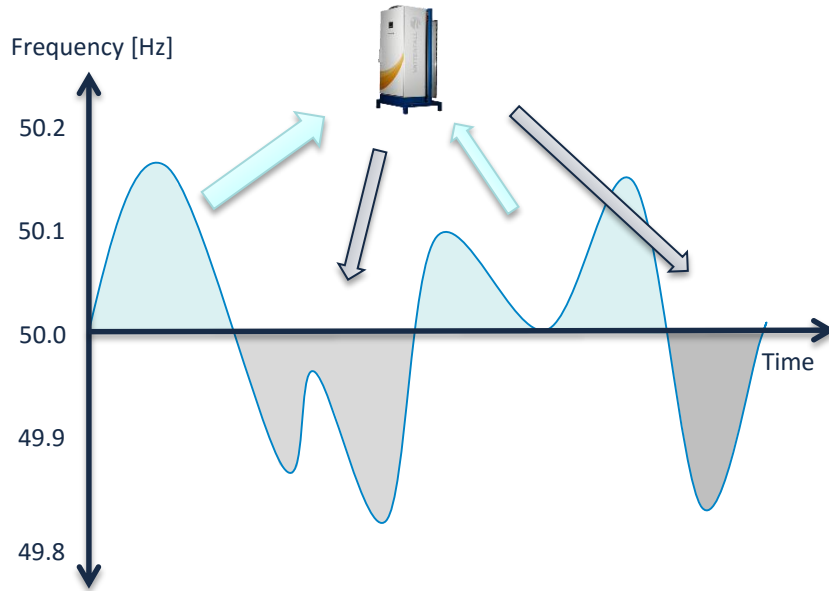
- ✓ Oversized to fulfill customer needs
- ✓ Optimize own consumption & autarky
- ✓ Decrease grid impact
- ✓ Superior to comparable storage systems

👉 But something is missing...

# PRIMARY FREQUENCY CONTROL



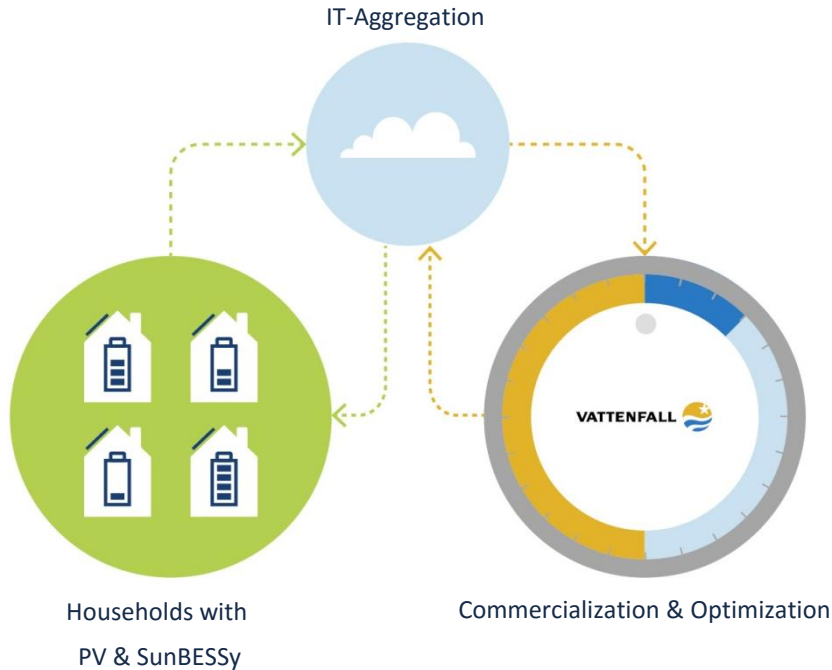
# PRIMARY FREQUENCY CONTROL



Primary frequency control:

- ✓ Grid stabilization
- ✓ Supporting energy transition
- ✓ Earning revenues

# IT-AGGREGATION



IT-Aggregation:

- ✓ SunBESSy aggregation & pre-qualification
- ✓ Optimization within Vattenfall-Pool
- ✓ Adapt storage to individual needs
- ✓ Maximizing own consumption & autarky
- ✓ Continuous operation optimization

# SUNBESSY – THE ADVANCED HOME STORAGE



## Reliable & economic efficient product

- ✓ Proven battery from BMW
- ✓ Maximizing own consumption
- ✓ Increasing autarky
- ✓ Reducing energy costs

## Promote energy transition

- ✓ Reducing grid impact
- ✓ Proactive grid stabilization support



# THANK YOU!

## Contact

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