

# HYBRID PARK MULTIMARKET TRADING & OPTIMIZATION



# CAPALO<sup>AI</sup>

## I N B R I E F



Founded  
in **2022**



**45**  
employees



**250MW+**  
BESS capacity  
live under trading



**50MWp+**  
PV Solar capacity  
live under trading



Active assets  
under trading in  
**4 countries**

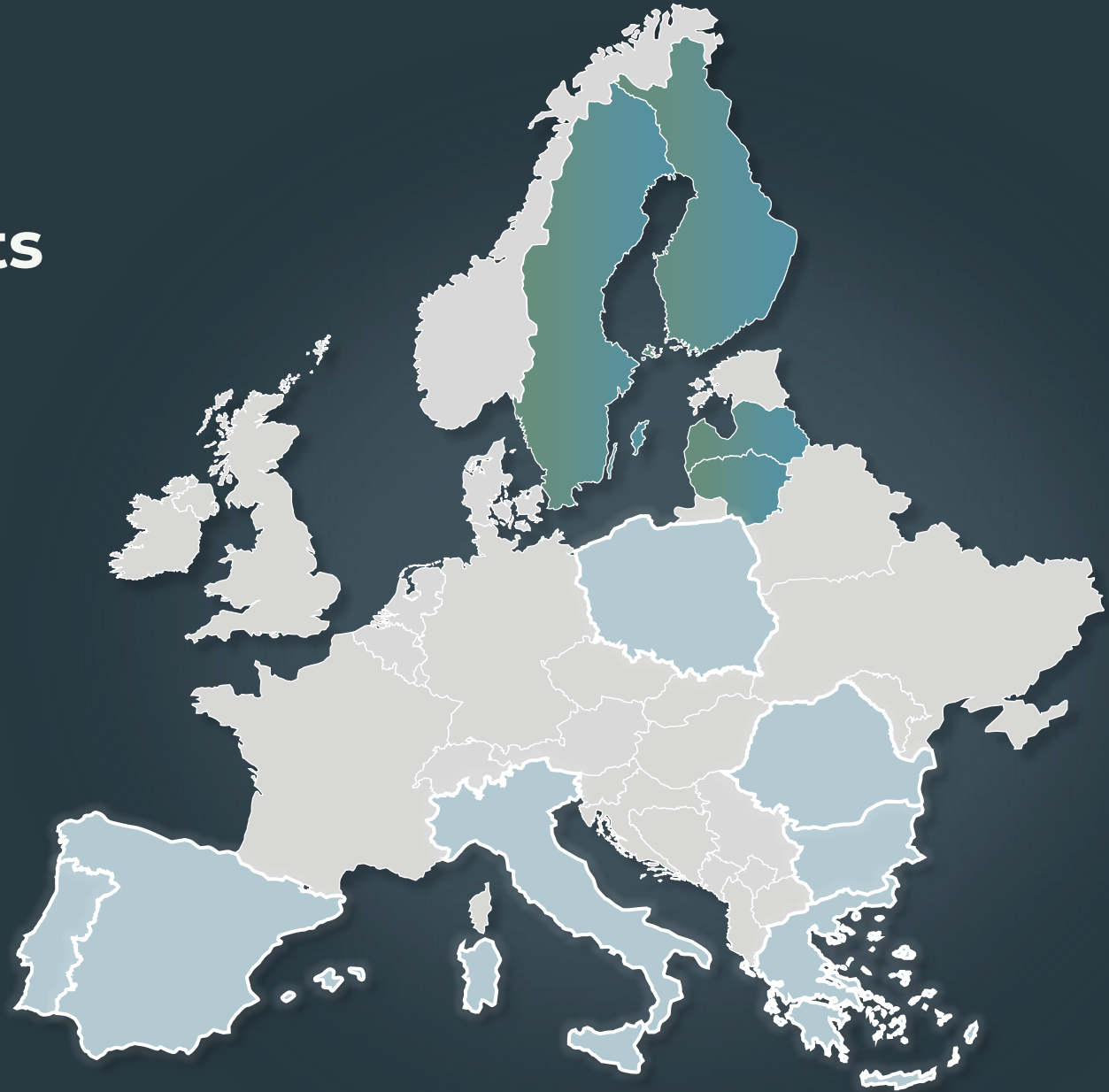


# Active and Next Markets



Operational assets under multimarket trading in **4 countries**.

Active in **11 countries** in **2026**.



# Benefits of Hybridizing Your Renewable Asset

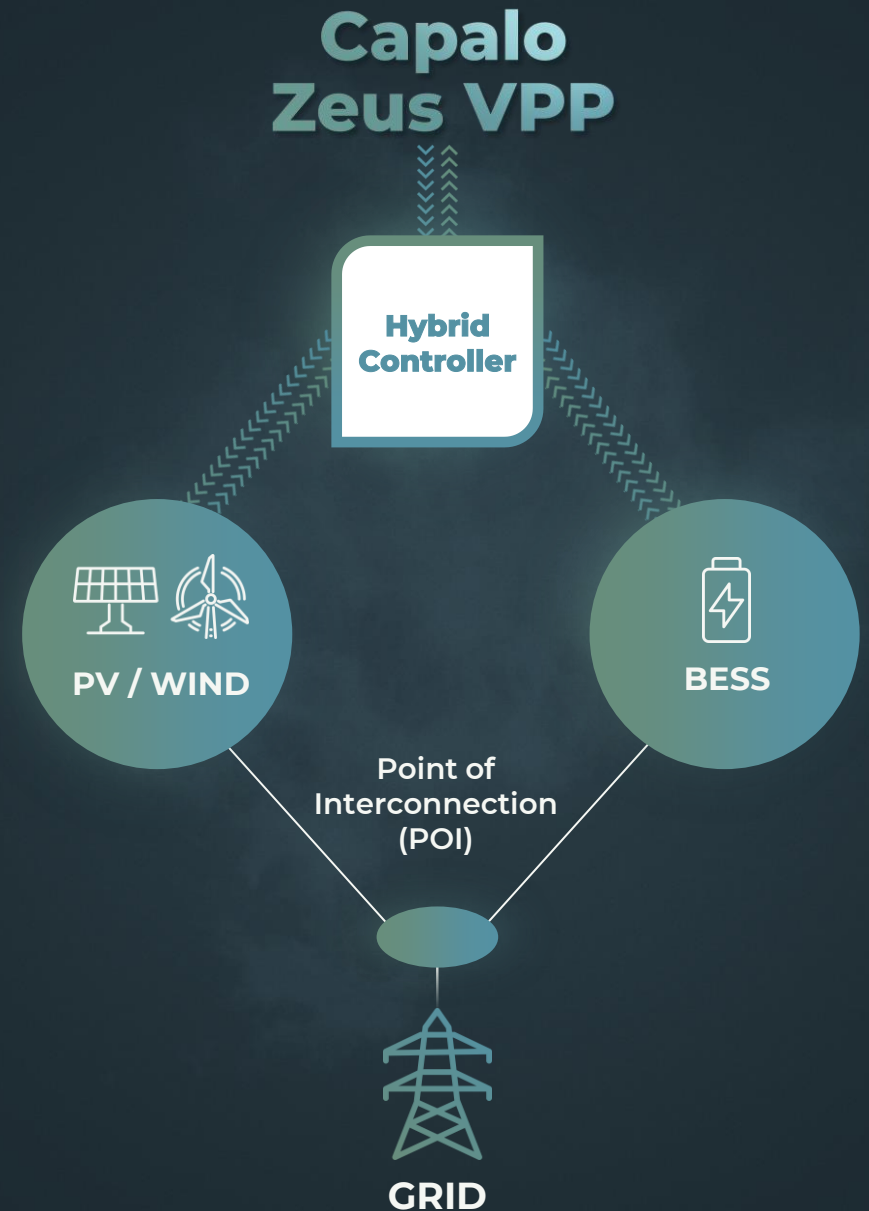
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- Hedge against volatility
- Maximized grid connection
- Shared grid infrastructure
- Better curtailment protection
- Improved bankability



# Optimization Complexities

- Limited grid connection
- Opportunity cost complexity
- Single Point of Interconnection (POI)
- Advanced control requirements
- Forecasting uncertainties
- Operational constraints





# Key Inputs

**PRICE  
FORECASTS**

**WEATHER  
FORECASTS**

**GRID-STATUS  
FORECASTS**

**ACTIVATION  
FORECASTS**

**BESS & PV  
CHARACTERISTICS**  
(power, energy capacity,  
warranty terms, grid limits)

# Optimization Principles

## Trading and optimization

- Aggregates the hybrid asset behind the POI to a **single flexible asset**
- **Maximizes net revenue** from **all available markets** (wholesale + balancing)

## Local control layer (PPC/EMS)

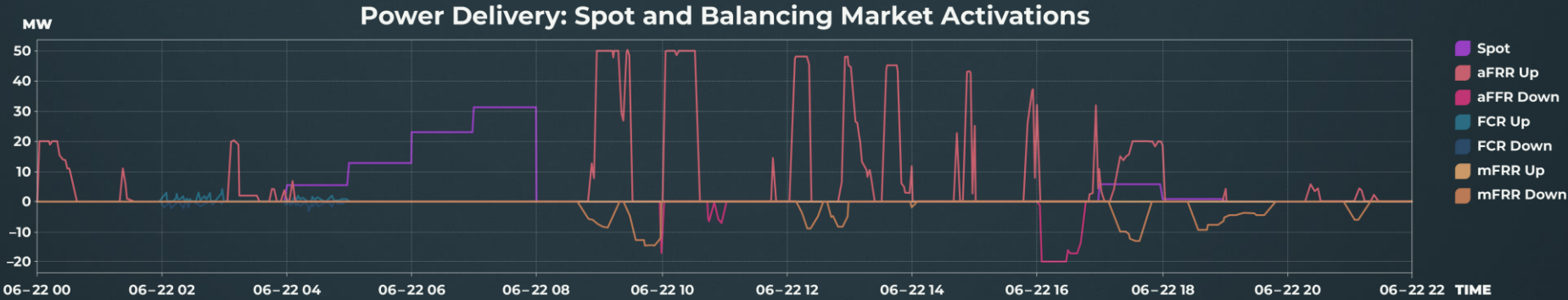
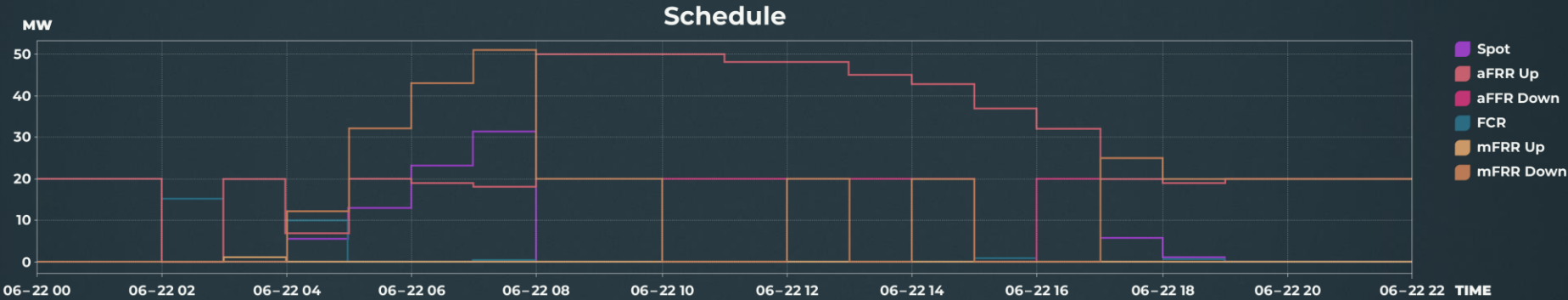
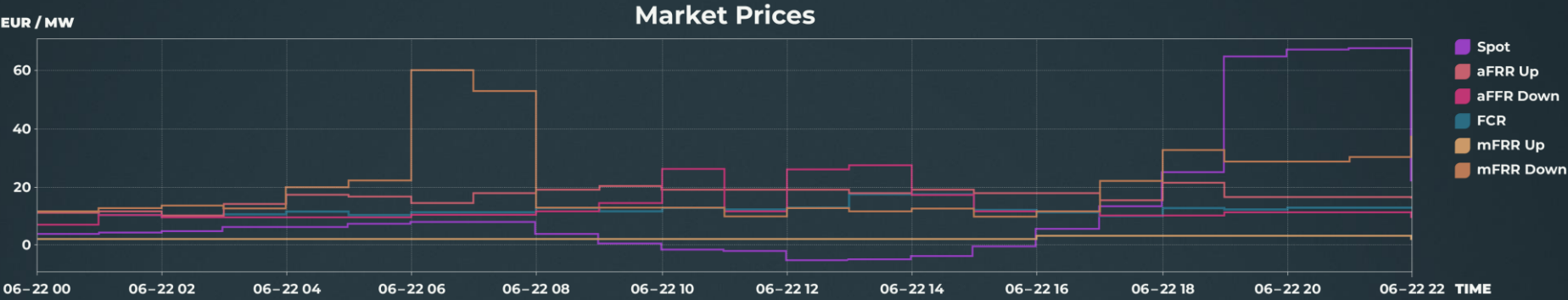
- Adjusts power response split in real-time (<1s resolution)

**Fully automated decisions, adapting dynamically in real time**



**Let's put it into action**

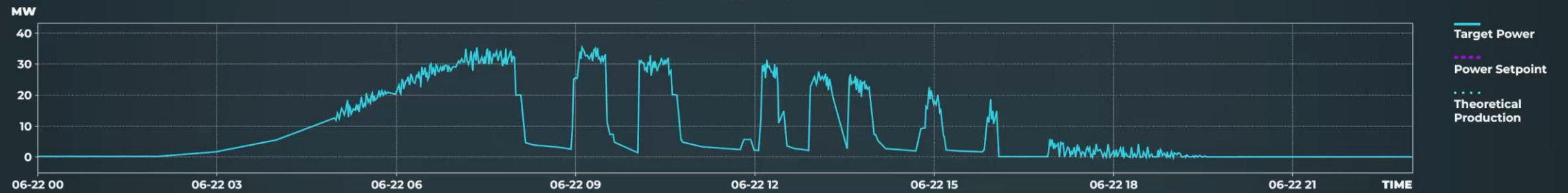




## BESS Power



## PV Power



## POI Power



# Revenues



# Revenues

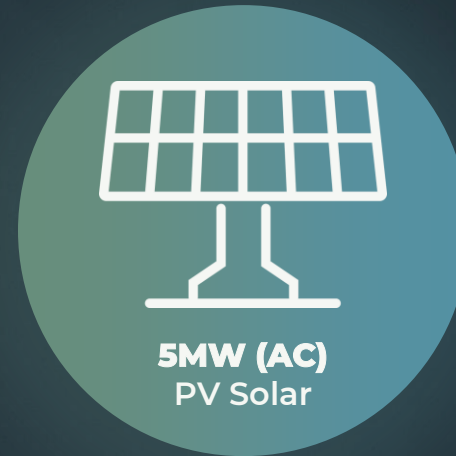
*(April - August)*

# Stand-alone Relative Earnings



**5MW** grid connection

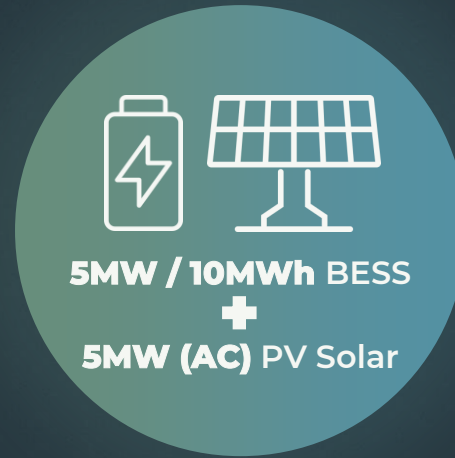
**81**



**5MW** grid connection

**19**

# Hybrid Earnings



**5MW** grid connection

**89**

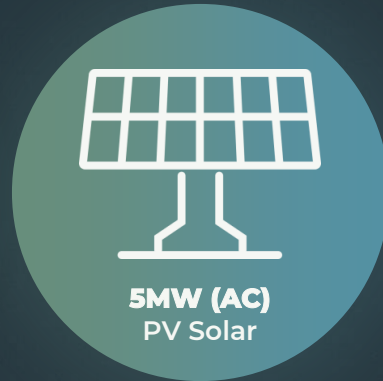


The hybrid generates only **11%** less earnings\*



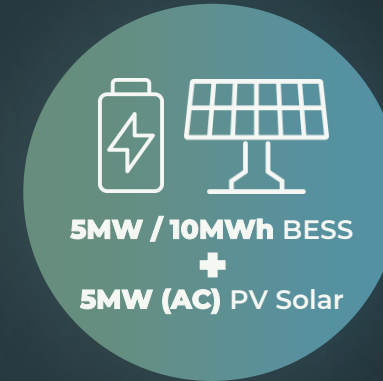
**5MW** grid connection

**81**



**5MW** grid connection

**19**



**5MW** grid connection

**89 / 100**

# Revenues

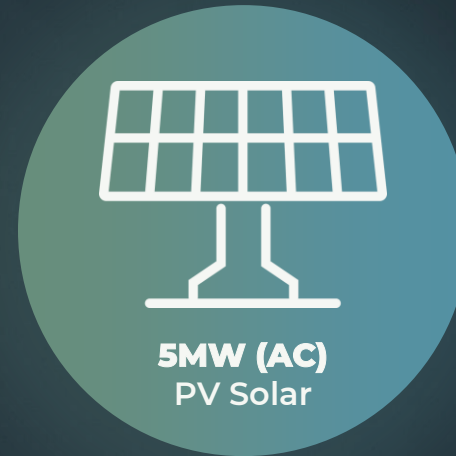
*(January - March)*

# Stand-alone Relative Earnings



**5MW** grid connection

**94**

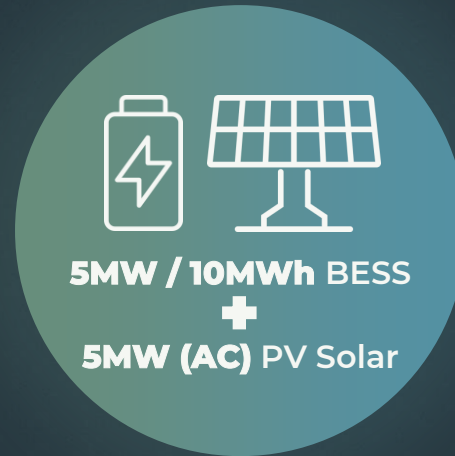


**5MW** grid connection

**6**



# Hybrid Earnings



**5MW** grid connection

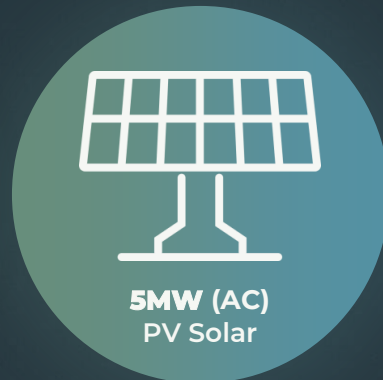
**97**

The hybrid generates only **3%** less earnings\*



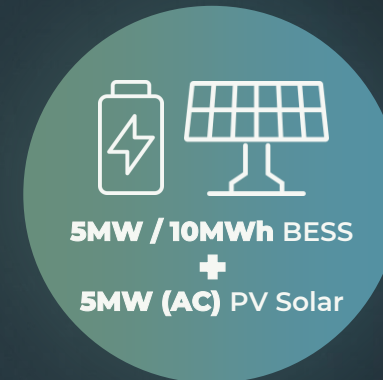
**5MW** grid connection

**94**



**5MW** grid connection

**6**



**5MW** grid connection

**97 / 100**

**The hybrid park is  
traded dynamically  
as a single flexible  
asset at POI**

**The control  
optimizes real-time  
delivery between  
BESS and PV**

**The earnings  
can be pushed  
far with the  
approach**

**Hybrids will  
be the next  
frontier of BESS  
deployment**





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