



II. Hungarian Battery Day
Budapest, 20 October, 2022



MINISTRY OF
TECHNOLOGY AND INDUSTRY

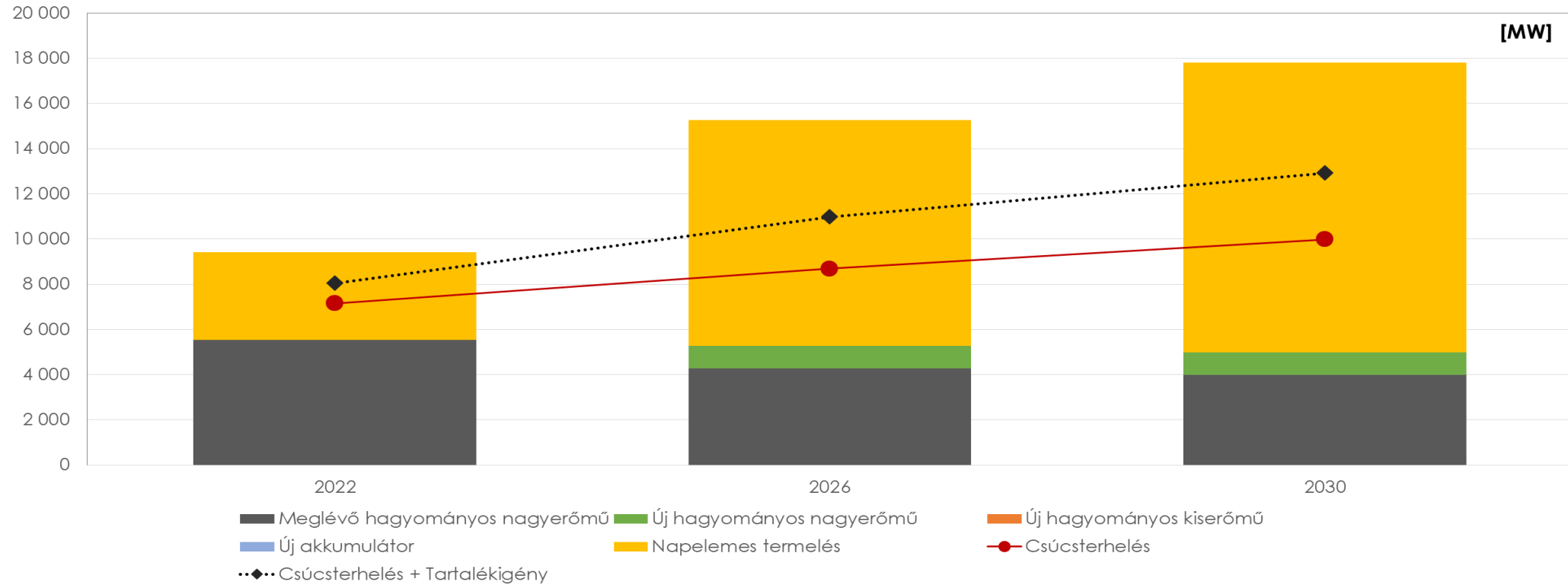
How the Hungarian government supports renewable electricity market integration with batteries?

Attila Steiner

State secretary for energy policy, Ministry of Technology and Industry

Composition of electricity producing capacities is changing

With increasing share of renewables focus on balancing



Renewable energy built in capacity

Currently 3.5 GW



in 2026 ~8 GW



in 2030 ~11 GW

Measures to keep the electricity system in balance

Storage is not the only way, but one of the most important

1

Innovative market organization

- Introducing new type of market organization practices to effectively manage network constraints
- Enabling demand side management (like installing intelligent energy management and smart meters)

2

Installing new controllable power plant capacities

3

Installing storage capacities – around 1 GW until 2030

- As fully integrated network elements at Mavir and at the DSOs: 100 MW until 2026
- Mandatory for new renewable based power plants
- Used by companies for own and balancing purposes
- Used by rooftop PVs



Financing schemes for installing storage capacities

3 target groups

TSO / DSO

- ✓ Only for fully integrated storage and mainly for voltage maintenance
- ✓ Already published call
- ✓ 100% aid intensity
- ✓ More financing will be provided from the Hungarian Recovery and Resilience Plan

Businesses

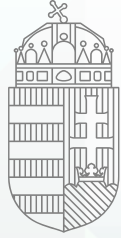
- ✓ All type of businesses with a focus on the energy sector
- ✓ Mainly for balancing purposes, but can be used for own purposes as well
- ✓ Available from November-December 2022
- ✓ Maximum 50% aid intensity
- ✓ Investment should be fulfilled in 24 months

Pilot projects

- ✓ Pilot projects for alternative energy storage solutions
- ✓ Aim is to demonstrate the viability of innovative storage technologies
- ✓ Available from February 2023 – pending on the decision of the Council on the loan section of the RRP

All schemes are based on technology neutrality

Selection criteria: Levelised Cost of Storage



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Thank you
for your attention