WE GIVE YOU ENERGY

PANNON GREEN POWER

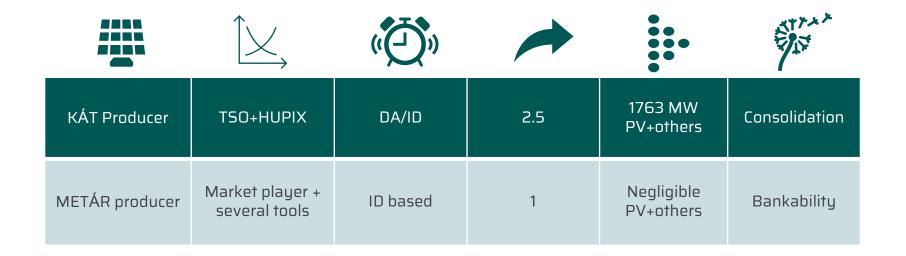
PV assets balancing cost and drivers in Hungary and State of the Art methods to minimize them



LEADING PV DEVELOPER AND SERVICE PROVIDER IN HUNGARY



PRESENT MARKET AFTER CEP IMPLEMENTATION





CONSOLIDATION AND QUESTIONS



Producers in portfolios Consolidation between schedulers



Still high balancing costs Seasonal effects and industry drivers



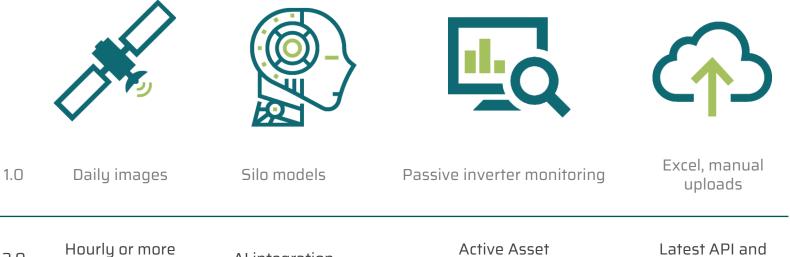
CONSOLIDATION AND QUESTIONS

Technology enablers





TECHNOLOGY AND PROCESSES - CONTIOUS IMPROVEMENT



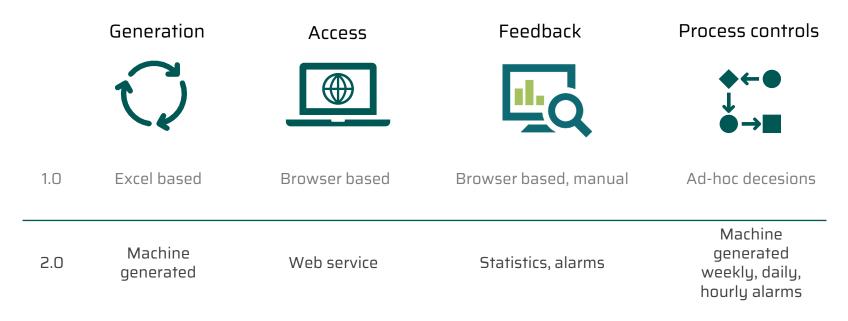
2.0 Hourly or more frequent data

Al integration

Active Asset Management Latest API and process controls





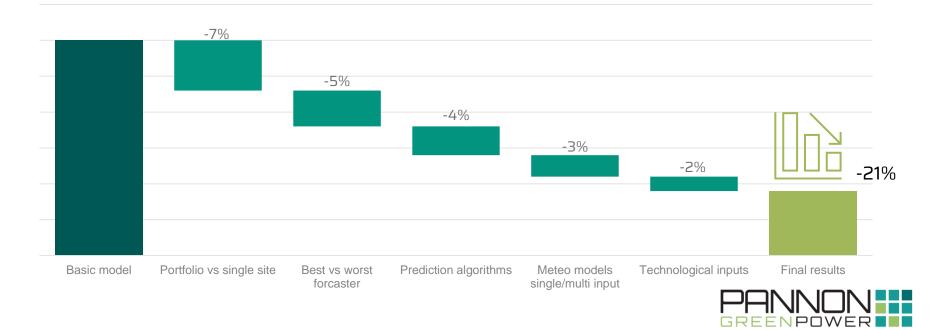




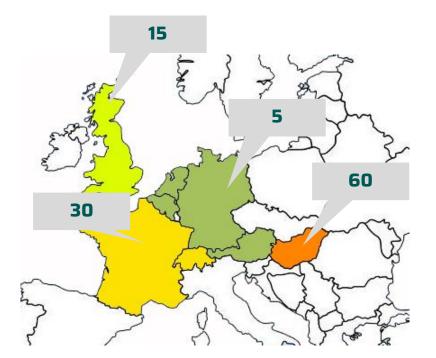




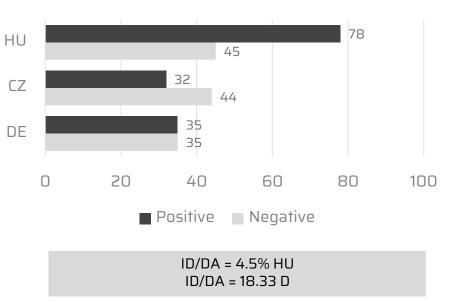
rMAE reduction factors



BALANCING FEE AND LEAD TIMES: D, CZ, H



Balancing price 2019-2020, EUR/MWh



ID Lead times (minutes)



REGULATORY ENABLERS AND OPPORTUNITIES





TOMORROW NEVER DIES

7-10 EUR/MWh



2-3 EUR/MWh



THANK YOU







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