





HybridConnects different
Energy Sources



ModularFrom Industrial to large-scale Power Plants



Lifetime 30+ Years

Flexibility

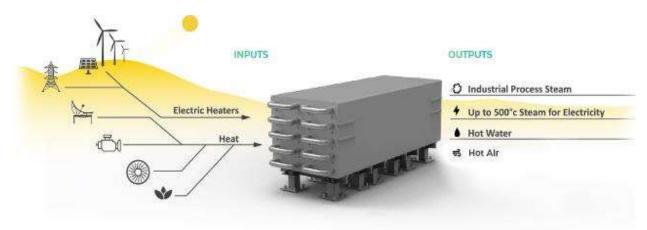
Decoupling generation from demand



PerformanceUnlimited cycles with minimal daily losses



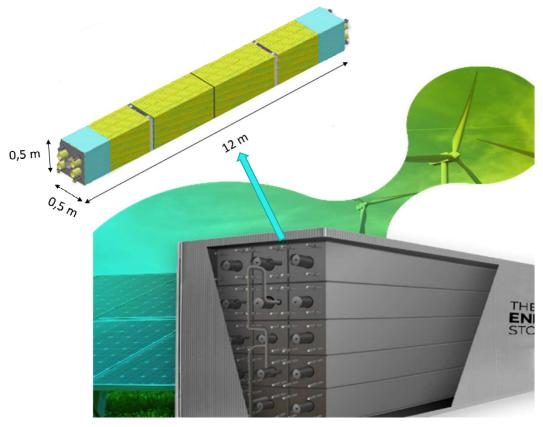
CleanEnvironmentally friendly materials (crushed rocks)

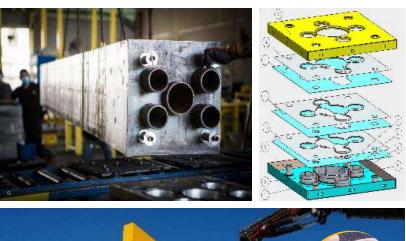


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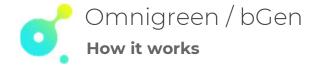
The bGen TM is comprised of multiple bCubes:

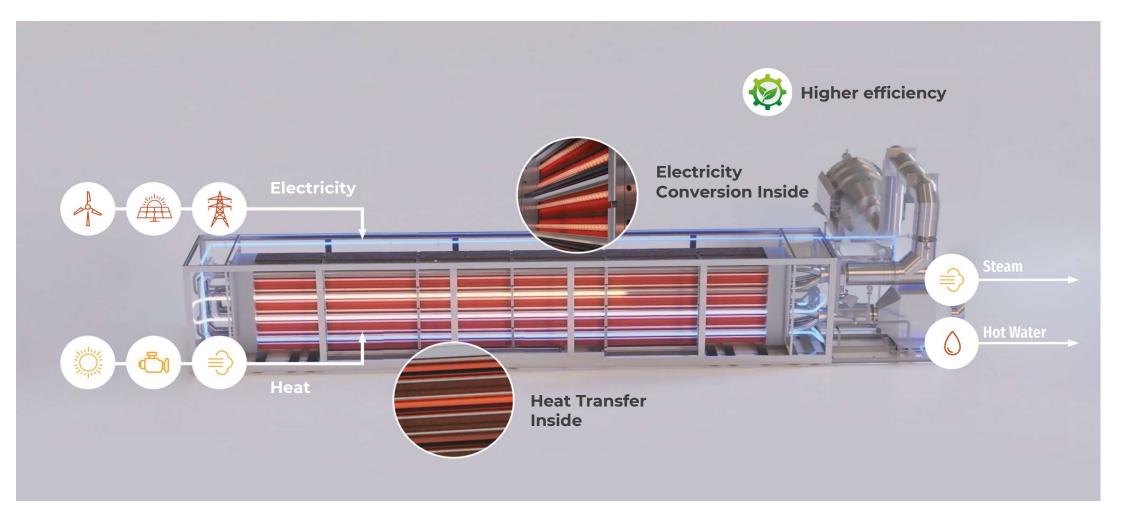






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NYPA IDF

Thermal Storage from Gen-Set
1 MWh, hot water from flue gases



FORTLEV

Biomass to heat storage system
Continuous biomass combustion while
delivering fluctuating output







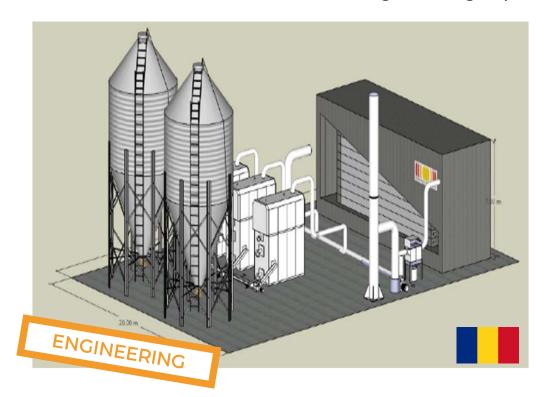
Thermal Storage based co-generation Hybrid charging: Exhaust gas and electricity

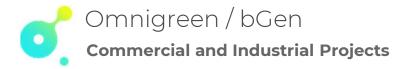




Biomass to steam TES

Continuous biomass combustion while delivering fluctuating output

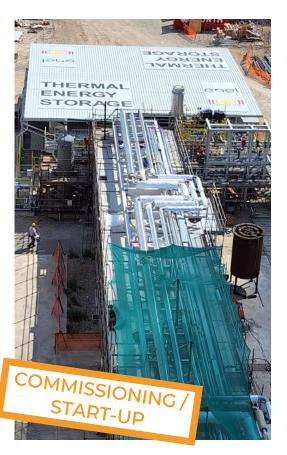






- Energy shifting
- · Increase max load & reduce min load
- Reduce ramp-up time

Thermal Storage in Combined Cycle 23 MWh steam charging and discharging















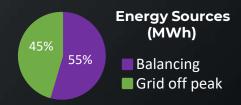
Omnigreen / bGen

Thermal energy storage from electrification to district heating / grid services



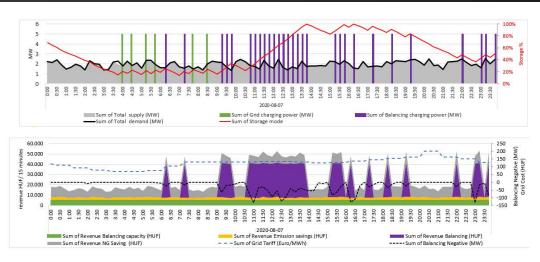
HUNGARY 13 MWh

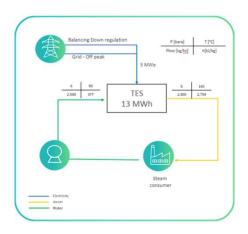
- ✓ TES charged with negative aFRR/FCR balancing energy
- ✓ Grid off peak price



Revenue Break down







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Muchas Gracias

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