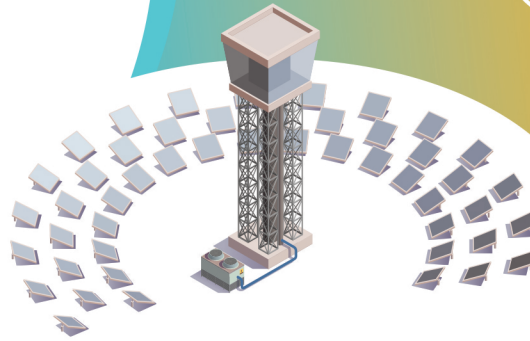


Solar Thermal Electricity (STE)



HORIZON
STE



THERMAL ENERGY STORAGE (TES) WHAT'S NEXT?

Mature thermal energy storage technologies have continued to develop, and new ones have come to light, extending their operational hours, their versatility and demonstrating improved new concepts. This enables more and more potential uses of TES across different sectors and industries, including:

Electricity generation



CSP plus TES power plants (standalone or even hybridized with PV or Biomass) in countries with good solar resources



Modular storage for various sources of energy (e.g. PV, wind) with integrated generation



Retrofitting existing fossil-fuelled power plants **with TES** (avoiding curtailed electricity from PV or wind via heat pumps)

Heat applications



Process heat for industry



Heating & cooling



Auxiliary in production of green hydrogen (and other gases)



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