



End-User requirements

Services

- Arbitrage
- RES smoothing
- Peak capacity
- Seasonal storage

Technical requirements

- Round trip efficiency as high as possible
- Low thermal loss
- Modularity and scalability
- Cycling capacity => small degradation during lifetime
- Compactness and affordability of storage medium
- Low CAPEX for energy conversion system
- High flexibility during charging phase
- Flexibility in discharge as close as possible to a gas turbine
- Compatibility for retrofitting existing plant
- Compatibility with district heating and cooling
- Safety and chemical hazard