

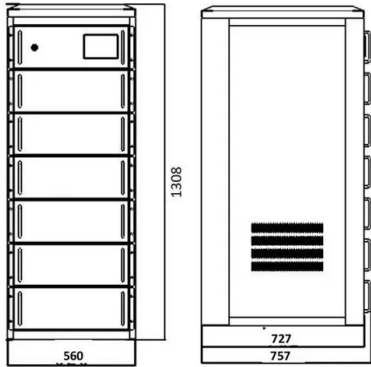
## European Solar Energy Storage

# Gem energy storage business park



## Gem energy storage business park

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### Energy storage submitted a 500 MW/4,000 MWh compressed air ...

The industrial world uses compressed air as an energy storage medium and energy source. High pressure compressed air is also commonly used for diving.

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GEM New Energy Battery Material Engineering Technology Research Center GEM New Energy Battery Material Engineering Technology Research Center was established in GEM Jingmen Park in 2008.



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The project is located in the GEM (Jingmen) New Energy Materials Circular Economy Low-Carbon Industrial Park and will use lithium iron phosphate batteries produced at EVE's Jingmen factory.



### Hydrostor Files Application for 500 MW Energy Storage Project

Gem's ability to flexibly deliver 500 MW of stored energy for eight hours without relying on fossil fuels or other polluting resources would make it one of California's largest single new energy storage facilities.



## Notice of Public Site Visit and Informational Hearing, and ...

Gem would charge at up to 500 MW for up to 14 hours and deliver up to 4,000 MW-hours (MWhs) over an 8-hour period. Gem would be located on two adjoining parcels totaling 71 acres in an unincorporated area of Kern County with the mailing address of 8684 Sweetser Road, Rosamond, California, 93560.

## GEM Energy Storage Center

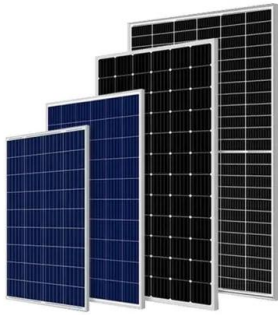
The 71-acre project site is bounded on the north by Sweetser Road and on the west by Tehachapi Willow Springs Road (90th Street West). The applicant proposes to construct, own, and operate the 500-megawatt (MW) Gem Energy Storage Center (GESC).

### Applications



## Hydrostor Files Second Application for Certification for 500 MW x ...

The state-of-the-art project will provide large-scale, long-duration energy storage for the region with no fossil fuel consumption and no greenhouse gas emissions.



## Willow Rock Energy Storage Center

The Willow Rock Energy Storage Center (WRESC) is proposed compressed air storage energy storage facility by Gem A-CAES LLC (Applicant), a wholly owned subsidiary of Hydrostor, Inc.

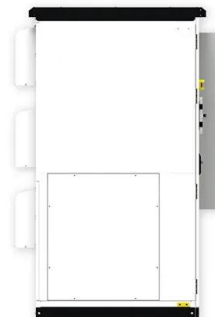


## **Section 1\_Introduction\_Gem Energy Storage Center**

Gem will combine dispatchable, operationally flexible, and efficient energy generation with state-of-the-art A-CAES technology to facilitate the integration of variable renewable energy on the grid and to meet California and regional needs for reliability services.

## **Hydrostor Files Second Application for Certification for**

Gem would surpass all existing battery energy storage projects in California in terms of both megawatts delivered and duration of generation, with an expected capital investment of \$975



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