

## SolarTech Power Solutions

# The first compressed gas energy storage power generation project



**1075KWHH ESS**



## Overview

---

On January 9, 2025, the "Energy Storage No. 1" global first 300-megawatt compressed air energy storage demonstration project, invested and constructed by China Energy Engineering Group Co., Ltd., achieved full-capacity grid connection and began power generation in Yingcheng, Hubei.

On January 9, 2025, the "Energy Storage No. 1" global first 300-megawatt compressed air energy storage demonstration project, invested and constructed by China Energy Engineering Group Co., Ltd., achieved full-capacity grid connection and began power generation in Yingcheng, Hubei.

Compressed-air-energy storage (CAES) is a way to store energy for later use using compressed air. At a utility scale, energy generated during periods of low demand can be released during peak load periods. [1] The first utility-scale CAES project was in the Huntorf power plant in Elsfleth, Germany.

At around 9:00 a.m. on April 9, the world's first 300-megawatt compressed gas energy storage power station - Hubei Yingcheng 300-megawatt compressed gas energy storage power station demonstration project was successfully connected to the grid for the first time, setting three world records in.

The world's first 300-megawatt compressed air energy storage (CAES) demonstration project, "Nengchu-1," has achieved full capacity grid connection and begun generating power in Yingcheng, Central China's Hubei Province, a milestone for China's energy storage technologies. The project has set three.

On January 9, 2025, the "Energy Storage No. 1" global first 300-megawatt compressed air energy storage demonstration project, invested and constructed by China Energy Engineering Group Co., Ltd., achieved full-capacity grid connection and began power generation in Yingcheng, Hubei. This milestone.

compressed air energy storage (CAES) plant, the first in the United States, became commercially operational. This report, first in tained continuing efforts

to interest the electric utility industry in CAES as a viable storage alternative. CAES plants use both electric energy (approximately 0.80.

Electricity and gas price data are analyzed in real time. During off-peak periods, electric energy is transformed to potential energy by compressing natural gas and storing it at a higher pressure inside a pipeline, underground reservoir or vessel. During peak demand periods, natural gas is.

## The first compressed gas energy storage power generation project

---

### Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://www.zegrzynek.pl>