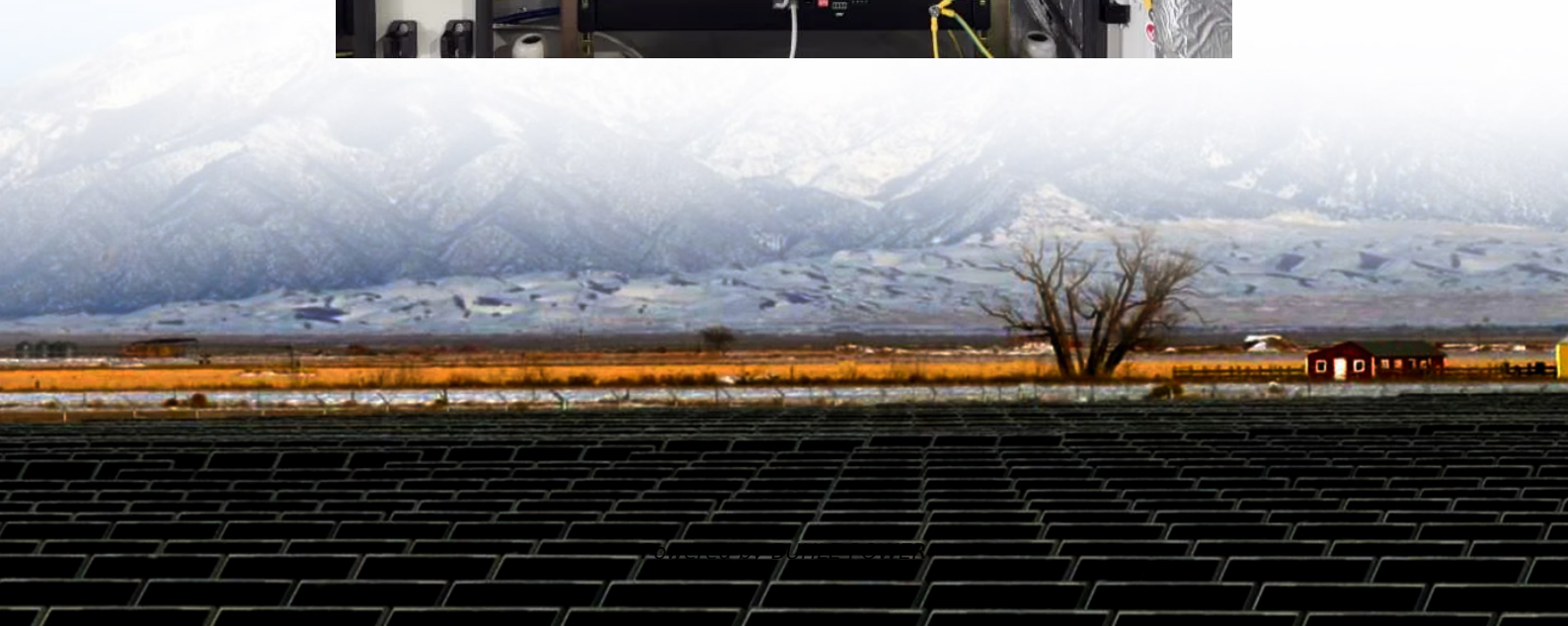


# Greece energy storage flywheel settled





## Overview

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What makes a flywheel a great energy storage system?

The flywheel is modular and offers unparalleled configurability in terms of power to energy ratio, which makes it the first dynamic energy storage system whose discharge duration can be matched exactly to the customer's needs.

Where is a flywheel energy storage system located?

Source: Endesa, S.A.U. Another significant project is the installation of a flywheel energy storage system by Red Eléctrica de España (the transmission system operator (TSO) of Spain) in the Mácher 66 kV substation, located in the municipality of Tías on Lanzarote (Canary Islands).

How do flywheels store kinetic energy?

Beyond pumped hydroelectric storage, flywheels represent one of the most established technologies for mechanical energy storage based on rotational kinetic energy . Fundamentally, flywheels store kinetic energy in a rotating mass known as a rotor [ , , ], characterized by high conversion power and rapid discharge rates .

Where did flywheels come from?

Their origins can be traced back to the potter's wheel, underscoring their longstanding role in human technological development . Beyond pumped hydroelectric storage, flywheels represent one of the most established technologies for mechanical energy storage based on rotational kinetic energy .



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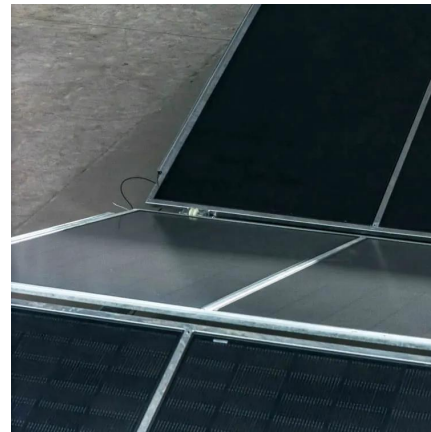


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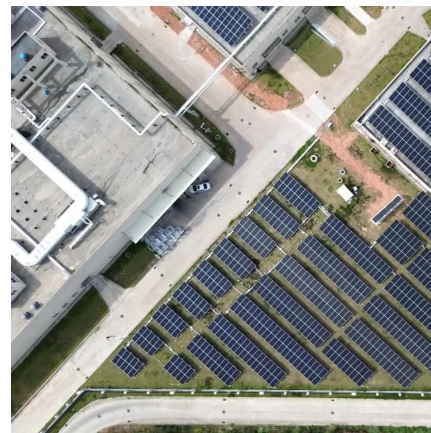
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