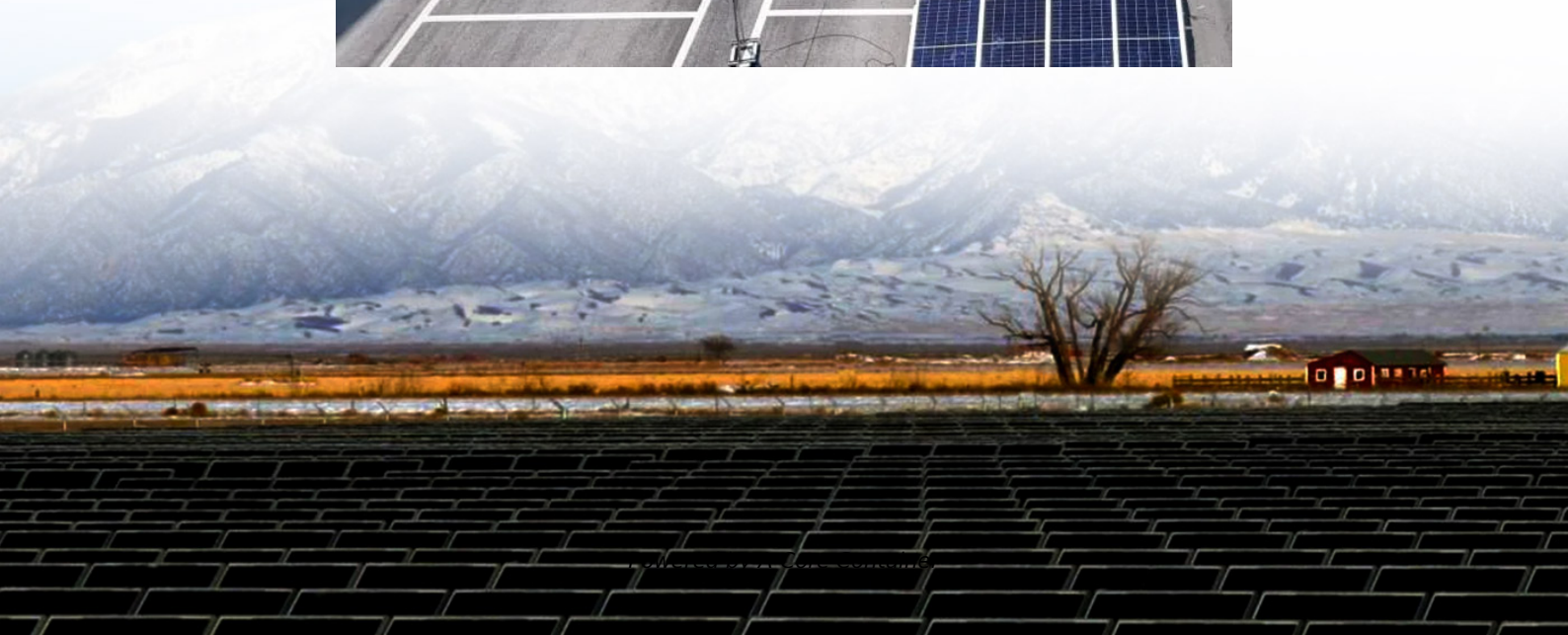


## A-Core Container

# Czech liquid cooling energy storage requirements



## Overview

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The project was jointly developed by ZKJ Power and a local energy company. Through advanced liquid-cooled energy storage technology, it provides the Czech grid with efficient and precise frequency regulation services, supporting energy structure transformation and improving grid stability.

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Through advanced liquid-cooled energy storage technology, it provides the Czech grid with efficient and precise frequency regulation services, supporting energy structure transformation and improving grid stability. 1. Project background: Frequency modulation requirements under the European energy.

There are currently only three operational pumped hydro storage projects in the Czech Republic: Stechovice with a capacity of 45 MW, Dalesice with a capacity of 480 MW and the newest Dlouhé Stráně with a capacity of 650 MW, which was commissioned in 1996. All of them are owned by CEZ Group, which.

Energy storage systems are no longer a "nice-to-have" – they're a must for modern grids. In the Czech Republic, where renewable energy adoption grows by 12% annually (2023 Energy Ministry Report), liquid-cooled solutions like those from SunContainer Innovations are stealing the spotlight. Why?

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The project features a 2.5MW/5MWh energy storage system with a non-walk-in design which facilitates equipment installation and maintenance, while ensuring long-term safe and reliable operation of the entire storage system. The energy storage system supports functions such as grid peak shaving.

CNTE is proud to provide the ESS for the largest energy storage project in the Czech Republic – 37.95MW/41.7MWh installation using 11 CNTE STAR T-285

3450kW/3.793MWh liquid-cooled containers. The project is set to begin construction soon. The project is primarily intended for grid frequency.

By coupling onsite generation with battery energy storage systems (BESS), organisations will be able to really monetise their renewable energy assets. What triggered the fast growth of renewables in the Czech Republic?

Historically, the country has enjoyed very low energy costs thanks to a large.

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