

Czech Industrial Energy Storage





Overview

With €279 million in EU funding approved for 1500MWh of new energy storage capacity, the country is set to double its current storage capabilities and accelerate its transition away from fossil fuels. How many oil storage facilities are there in the Czech Republic?

The Czech Republic has 17 oil product storage facilities, with a total capacity of 1.5 million cubic metres (mcm), and one key crude oil storage facility, with a capacity of 1.675 mcm. The product storage sites are connected by a 1 100 km long pipeline and consist mainly of gasoline and gasoil.

What is the current gas storage capacity of the Czech Republic?

Current capacity is 3.3 bcm and once the ongoing expansion projects are completed in 2022, the country's total storage capacity available will be almost 4 bcm. This is almost half the current annual gas consumption of the Czech Republic, and such a ratio is very high compared to the level of storage capacity in other countries.

Will a battery storage system help Czech companies achieve net zero?

The high penetration of renewable generation projects in the region could deliver a large amount of clean energy and really accelerate the journey to net zero, but at the moment Czech companies are not in a position to reap the full benefits of solar and other renewable energy sources. To do so, battery storage will be essential.

Is the Czech Republic ready for pumped-storage hydroelectric power plants?

Bulk energy storage is currently dominated by hydroelectric dams, both conventional as well as pumped. There are six localities considered for new pumped-storage hydroelectric power plants in the Czech Republic but public acceptance presents a challenge. Front-of-meter installations in the Czech Republic are mired in regulations.



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Czech Republic Energy Storage Market Synopsis
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