

## SolarTech Power Solutions

# Moldova Energy Storage Fire Fighting Solution



## Overview

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Will the Republic of Moldova rely on fossil fuels?

In this case, the Republic of Moldova will remain dependent on the import of fossil fuels, despite its vast renewable energy potential. In such case the vulnerabilities of the energy system of the Republic of Moldova are expected to continue over the long run.

How important is Moldova's cross-border power system?

Geographically positioned between Romania and Ukraine, the cross-border power system of the Republic of Moldova is critical for regional energy security and regional integration with the European and Moldova-Ukraine energy markets.

What is the main source of energy in the Republic of Moldova?

In the reference scenario, natural gas, primarily imported from the Russian Federation, remains the main component of the Republic of Moldova's generation mix accounting for over 30% and followed by oil.

Why is Moldova's electricity supply so vulnerable?

Since November 2023, the MGRES gas-fired power plant in Transnistria is making up for the electricity import deficit from Ukraine. This heavy reliance on external sources, particularly from politically sensitive regions, makes the Republic of Moldova's electricity supply extremely vulnerable.

Why does Moldova rely on oil products for transportation?

The transport sector accounts for 25% of total energy consumption and is a primary driver of oil consumption growth in the Republic of Moldova. This reliance on oil products for transportation highlights the need for modernization and transition to more sustainable alternatives.

What are the main industries in the Republic of Moldova?

Mining of sand/ limestone and food processing are the two main industries in the Republic of Moldova contributing with 9% and 11% of value added of GDP, respectively, and combined accounting for about 90% of the sector's energy demand.

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