

## **PDEOZE PowerContainer**

# **Slovakia Mobile Power Plant Generation Company**



## Overview

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Hyundai Mobis, a key supplier within the Hyundai Motor Group, announced on Oct. 16 that it will establish a new plant in Slovakia dedicated to the production of power electric (PE) systems, a core component of electric vehicles. How many power plants are in Slovak Republic?

Scheme of distribution of energy system management. Slovak power plants operate 31 hydro, 2 nuclear, 2 thermal, and 2 solar power plants with a total capacity of 4112 MW [ 19 ]. The total installed capacity of the Slovak power plant in 2019 is 7716 MW. The full electricity consumption for the Slovak Republic in 2019 was 30,309 GWh [ 17 ].

How much will the new Slovak power plant cost?

The new Slovak production base will involve an approximately KRW 350 billion investment. The electrification plant will occupy a site of approximately 105,700 square meters with KRW 250 billion dedicated to its construction, which is slated for completion by the second half of next year.

Is Kia building an EV-dedicated plant in Slovakia?

Slovakia is home to several global automakers, including Kia is also building an EV-dedicated plant in the country. Hyundai Mobis plans to leverage its new electrification hub in Slovakia as a strategic foothold for expanding its presence in the European EV market.

Where are photovoltaic stations located in Slovakia?

Figure 30 shows perspective places on the territory of the Slovak Republic for the location of photovoltaic stations, where the greatest perspective is in the southern part of Slovakia, while we can get the most electricity from photovoltaic stations in the vicinity of Komarno and Nitra. Figure 30.

Is Hyundai Mobis a Slovak company?

Hyundai Mobis has maintained a strong business partnership with the Slovak

government for over 20 years, beginning with establishing its Slovak subsidiary (MSK) in 2004 and constructing a module plant in Zilina. The new Slovak production base will involve an approximately KRW 350 billion investment.

How many transmission lines does Slovak Republic have?

The Slovak Republic has one transmission system, which is managed by the Slovak Electricity Transmission System, a.s. (SEPS). SEPS manages all transmission lines with a total length of 3008 km and a total transformation power of 11,730 MVA [ 17 ]. As shown in Figure 2 current grid map. Figure 2.

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The new Slovak production base will involve an approximately KRW 350 billion investment. The electrification plant will occupy a site of approximately 105,700 square meters with KRW 250 billion dedicated to its construction, which is slated for completion by the second half of next year.

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Hyundai Mobis has maintained a strong business partnership with the Slovak government for over 20 years, beginning with establishing its Slovak subsidiary (MSK) in 2004 and constructing a module plant in Zilina. The new Slovak production base will involve an approximately KRW 350 billion investment.

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