

Is Slovenia's electricity sector fully vertically integrated?

Despite the whole electricity sector being arguably fully vertically integrated in Slovenia due to the level of state ownership, 1.4.1 there is potential for privatisation and/or further market liberalisation, even with the entry of two new suppliers into the market.

What are the different types of electrical networks in Slovenia?

Electrical networks are classified in terms of their voltage: low-voltage, medium-voltage and high-voltage networks. The ELES Company manages the latter, the high-voltage transmission network in Slovenia. In Slovenia, the most common shapes of pylons are "fir tree", "barrel", the Danube, the "Y-pylon" and the "H-pylon".

Will Slovenia reduce energy consumption by 60% by 2025?

In the field of building renovation, Slovenia wants to reduce energy consumption by 60% by 2025 compared to 2015. Slovenia has therefore established a comprehensive system for the renovation of public buildings in accordance with the requirements of 3% of the necessary renovations of public buildings each year.

Is Slovenia a good country for energy?

In spite of its small size, Slovenia has achieved enviable results in the field of energy. The World Energy Council ranks Slovenia as 10th in terms of energy security, energy equity, and environmental sustainability. Slovenian electricity production is already today one of the least carbon-based in the EU.

What makes Slovenia a good country?

Our domestic production is currently based on a balanced mix of energy sources (one-third hydro, one-third thermal, one-third nuclear), and that balance gives several advantages that we can use to support the competitiveness of our economy. In spite of its small size, Slovenia has achieved enviable results in the field of energy.

Is Slovenia a good place to start a business?

Today, Slovenian companies offer true innovation opportunities - in particular in the areas of processes, semi-products and final products. According to the innovation index, Slovenia is classified as a group of countries of the so-called strong "innovators"; and is just below the EU average.

Pipistrel Vertical Solutions designed more than five different electric aircraft and developed propulsion batteries for NASA and Siemens's aerobatic aircraft, as well as integrated the fuel cell propulsion system in the world's first hybrid-electric four seat aircraft.

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The transition into a sustainable power system will play a key role in maintaining global warming within the +1.5°C IPCC scenario in the next few years. In this context, the present paper ...

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State-of-the-art technology for bulk power transfer between two systems is high-voltage direct-current transmission. HVDC link between Slovenia and Italy may provide various operational and socio-economic gains.

The project is actually a virtual cross-border control center that facilitates new electricity generation from renewable energy sources in Slovenia and Croatia and its safe and efficient ...

The company ensures the reliable, safe and uninterrupted supply of electricity 24/7. As the connection between the producers and consumers of electricity, ELES is also responsible for the seamless operation of Slovenia's entire electric power system. [READ MORE](#)

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Virtual Power System is an integrated solution that manages energy production and consumption at the local level, from the bottom up. This way, prosumers can actively participate in the future energy system by offering their flexibility in their energy production and/or consumption.

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Slovenia vertical power solutions

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Matej   Experience: Pipistrel Vertical Solutions   Education: University of ...

The project is actually a virtual cross-border control center that facilitates new electricity generation from renewable energy sources in Slovenia and Croatia and its safe and efficient integration into the grid.

We offer tailored systems, including voltage transformers and appropriate cables, that optimize power transmission and ensure safety. With 24/7 support and extensive expertise, we deliver seamless, sustainable power solutions that meet your unique operational needs.

"With this introduction we are enabling efficient true vertical power delivery for our customers - and this is just the beginning, as the Crescendo platform will allow the integration of power delivery directly into the processor at total power supply densities exceeding 5A/mm², setting Empower apart as the technology leader."

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