

Electricity safety portugal

REN is responsible for planning studies on the evolution of the transmission grid, in order to match the grid development plans to the generation and consumption forecasts. These studies must be sent to the competent authorities, without whose approval it is not possible to move forward to the investment stage. It is also REN's legal obligation to collaborate in the preparation of official studies on the security of the country's electricity supply, in a medium/long-term perspective.

The investment in the transmission network materialises the network evolution plans, by adapting the system to the evolution in national consumption and to the development of new generation centres, which in recent years are mainly of a renewable nature (solar and wind). The investment also guarantees the interconnection capacity with the Spanish system and, through the latter, with the European system, establishing adequate safety and market integration standards.

REN operates the 400 kV, 220 kV, and 150 kV extra-high-voltage grid, lines, and respective substations. The Operation has the task of keeping all equipment and systems operational, in order to meet high safety and service quality standards in an efficient manner.

The System Management is carried out through the Dispatch Centre, ensuring the balance between generation and consumption in an uninterrupted manner. REN ensures the management of the transmission grid and the interconnection with the European system, manages the Portuguese national system services markets and their integration in the corresponding European markets, enabling Portuguese producers and consumers to participate in the electricity system's balancing processes.

The Development and Investment Plan for the Electricity Transmission Grid for the period 2022-2031 was approved by the Secretary of State for the Environment and Energy, in December 2022.

The new decree-law was published establishing the new legal regime of the Portuguese Electricity System. According to the preamble of the Decree-Law in question, the new legal regime aims to adapt the Electricity System to the objectives to be achieved with the National Integrated Energy and Climate Plan (PNEC 2030).

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