

## Rețele Electrică Romania launches a tender of up to 45 million lei for the digitization of the distribution network

**Bucharest** – Rețele Electrică Romania, part of the PPC group, continues to invest in the digitalization of the electricity distribution network and launches on the electronic public procurement platform SEAP, for the acquisition and implementation of an integrated geographic information system of the GIS & Topology type, intended for advanced modeling of the electricity distribution network.

The project aims to modernize the existing digital infrastructure and replace the current GIS system with a high-performance platform, capable of supporting the company's operational and strategic requirements in a constantly evolving technological and cybersecurity context.

*"This project is an essential step in accelerating our digitalization process and building a smart, flexible and future-proof electricity grid. We invest in a modern GIS & Topology platform that integrates the most advanced cybersecurity standards and allows us to manage the network in a more efficient, secure and adapted way to current realities. We want to better respond to the needs of our customers, including those who become prosumers, and to develop an infrastructure capable of supporting the energy transition and new consumption and production models",* said Mihai Pește, General Manager of Rețele Electrică Romania.

The new GIS & Topology platform will include both standard software components and a dedicated mobile app, all of which are designed to work seamlessly with the company's existing systems, including the AADMS platform and other operational applications. The solution will enable interoperability with systems such as asset management, smart metering or network monitoring, contributing to a coherent and efficient flow of data between the different structures of the organization.

With the acquisition of a new integrated geographic system, the company aims to significantly improve the way the electricity grid is managed, providing a centralized record of the asset topology and a detailed visualization of the infrastructure in digital format. The new system will allow quick access to relevant equipment information, update data directly from the field via the mobile app and use advanced tools for the design and simulation of power grids.

The platform will integrate an extensive volume of operational data, covering approximately 136,000 kilometers of power lines, hundreds of substations and more than 26,500 transformer substations, with all components. This complex database will allow for fast and accurate network health analysis,

while facilitating the development of optimized projects and efficient cost estimation through integration with other internal systems.

A special emphasis is placed on cybersecurity, the solution to be developed and implemented according to the "cyber security by design" principle. The platform will integrate advanced protection mechanisms from the design phase and will comply with relevant international standards in the field, helping to increase the resilience of the infrastructure and reduce the risks associated with cyber threats.

The new system will also ensure a two-way integration with the AADMS platform, facilitating data exchange through modern standards and helping to increase the accuracy and consistency of the information used in the operation of the network. This interconnection will support monitoring, control and intervention processes, for the direct benefit of consumers.

The estimated duration for the implementation of the project is 17 months from the signing of the contract, followed by a transition period and operational support of another 7 months. Through this approach, the company reaffirms its commitment to invest in modern technologies and to build a distribution network adapted to the requirements of the future, capable of supporting the development of prosumers and the evolution of the energy market.

The company **Rețele Electrice Romania** operates networks with a total length of about 136.000 kilometers in three major areas of the country: Muntenia Sud (including Bucharest), Banat and Dobrogea, covering one third of the local distribution market, and develops an investment program to improve the quality of services, safety and performance of the networks and local implementation of the environmental standards of the PPC group. The electricity infrastructure operated by Rețele Electrice Romania includes 293 power stations and over 26.000 secondary substations.