



Current report pursuant to ASF Regulation No. 5/2018 on issuers of financial instruments and market operations

Report date: 03.06.2026

Name of the issuing entity: Societatea Națională NUCLEARELECTRICA S.A.

Registered office: 48 Iancu de Hunedoara Boulevard, Sector 1, Bucharest

Phone/fax number: 021-203.82.00 / 021-316.94.00

Unique registration code with the Trade Registry Office: 10874881

Registration number in the Trade Register: J1998007403409

Subscribed and paid-in share capital: 3,016,438,940

Regulated market on which the issued securities are traded: Bucharest Stock Exchange

**To: Bucharest Stock Exchange
Financial Supervisory Authority**

Important development: Nuclearelectrica is making progress in exploring opportunities to capitalize on tritium generated by the Tritium Removal Facility (CTRF) Project

In June 2024, Nuclearelectrica announced the start of work on Europe's first tritium removal facility, located at the Cernavodă Nuclear Power Plant, in partnership with Korea Hydro & Nuclear Power (KHNP).

The tritium removal facility will eliminate tritium from the plant, leading to enhanced environmental protection, fully in line with the ESG objectives of Nuclearelectrica and Europe. The tritium removal facility utilizes an innovative Romanian technology developed by the National Research and Development Institute for Cryogenic and Isotopic Technologies – ICSI Rm. Vâlcea, making it the third of its kind in the world and the first in Europe.

This initiative marks a significant step forward in nuclear technology and environmental protection, in line with the European Union's sustainability goals.

In view of the future operationalization of the CTRF, estimated for the end of 2028, SNN has launched an extensive market research process to identify potential tritium customers. SNN's efforts are focused on the field of nuclear fusion, as future fusion reactors will require significant quantities of tritium as fuel, in combination with deuterium; however, other industrial sectors involving the use of tritium—albeit in smaller quantities (self-powered lighting, radioactive labelling, neutron generation, etc.)—are not overlooked.

Societatea Nationala NUCLEARELECTRICA S.A.

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National Trade Register Office J1998007403409, European Unique Identifier ROONRC.J1998007403409, Unique Registration Code at the Trade Register Office (URC) 10874881, Fiscal Registration Code (CIF) RO10874881, IBAN code RO94 RNCB 0072 0497 1852 0001 opened at BCR 1st District Branch;
Paid and subscribed capital: 3.016.438.940 lei.
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SNN is in exploratory discussions with several American and Western European nuclear fusion projects, with a view to establishing partnerships that could lead to future commercial transactions involving tritium.

SNN is also in contact with companies specializing in tritium, having recently signed a tripartite Memorandum of Understanding with two Swiss firms, RC Tritec AG and Smolsys AG. The Memorandum lays the groundwork for collaboration between the three companies, with a view to evaluating SNN's ability to supply tritium to the two Swiss partners, as well as to cooperate on tritium storage solutions and various systems for handling this hydrogen radioisotope, given the extensive experience in the field of RC Tritec AG and Smolsys AG.

This investment project is designed and developed to offer Nuclearelectrica and Romania the opportunity to become a European hub for the production and export of tritium—the candidate fuel for future fusion reactors. Romania also has the opportunity to develop its supply chain and become a hub for the development and export of Romanian technology and know-how, utilizing local industry and labor.

Cosmin Ghiță
Chief Executive Officer