

PRESS RELEASE

EDF, EDISON AND ENEA SIGN MOU ON INNOVATIVE NUCLEAR TECHNOLOGIES

The aim is to explore technical and scientific topics central for the implementation and use of Small Modular Reactor (SMR) technologies in industrial contexts.

Milan, Rome, Paris January 16, 2025 – Implement innovative small nuclear technologies, such as the Small Modular Reactor (SMR). This is the objective of the Memorandum of Understanding (MOU) signed by EDF, Edison and ENEA, which undertake to collaborate on the industrial applications of SMRs, which are considered necessary for achieving the carbon neutrality targets set at the European level while ensuring the security of the energy system.

In particular, the collaboration will focus on the analysis of thermo-hydraulic systems and passive safety systems, new technologies, integral system operation and the opportunity to provide electricity and heat in cogeneration mode for industrial needs. The agreement also provides for training activities and exchange of know-how between researchers and PhD students.

*«Thanks to our collaboration with ENEA, one of Italy's leading players in the field of new nuclear research, we are taking a further concrete step towards the use of new nuclear technologies to support the Italian industrial system, by pooling technical and scientific expertise, experience in the management of nuclear plants, and a forward-looking vision», says **Lorenzo Mottura, EVP Strategy, Corporate Development & Innovation at Edison.***

*«The agreement with EDF and EDISON will strengthen Italy's role in Europe in the development of innovative nuclear technologies, with the aim of supporting the Italian industry in penetrating the European SMR market and reinforcing ENEA's leadership in the field of innovative nuclear technologies, passive systems, and large-scale experimentation up to full-scale testing», says **Alessandro Dodaro, Director of ENEA's Nuclear Department.***

*«This collaboration is a practical and effective way to overcome barriers to deploying small modular reactors in Europe. By leveraging our combined expertise and resources, we are committed to developing innovative solutions that will contribute to Europe's carbon neutrality goals. We look forward to working closely with ENEA and Edison to enable a decarbonized future for the industry», added **Bernard Salha, EDF Group Chief Technical Officer, and Head of EDF Research and Development.***



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