



EDF, Edison, Ansaldo Energia and Ansaldo Nucleare have signed a Letter of Intention for new nuclear development

Genoa-Milan-Paris, March 6, 2023

The aim of the cooperation is to leverage the specific expertise of the four signatories and assess potential industrial cooperation for the development of nuclear power in Europe, specifically in the field of Small Modular Reactors (SMR).

Ansaldo Energia, Ansaldo Nucleare, EDF and Edison announce that they have signed a Letter of Intent (LOI) to **collaborate on the development of new nuclear power in Europe and to promote its deployment, prospectively also in Italy**. The aim of the agreement is to immediately leverage on the expertise of the Italian nuclear power sector, headed by Ansaldo Nucleare, in order to support the development of EDF Group's new nuclear projects, and at the same time to open a debate on the possible role of new nuclear power in Italy's energy transition.

In particular, the parties undertake to explore potential industrial cooperation, drawing on their respective skills:

- Ansaldo Energia Group, as a developer of engineering components and service provider for the energy and nuclear industry;
- EDF as the world's largest nuclear energy producer, involved in new nuclear projects based on its portfolio of technologies, namely (i) the small modular reactor (SMR) NUWARD™ (EDF and Ansaldo Nucleare have recently also signed a first contract for provision of engineering studies for NUWARD™), (ii) the mid-scale reactor EPR1200 and (iii) the large-scale reactor EPR;
- and Edison as one of the largest Italian energy players, leading Italy's energy transition.

Ansaldo Energia Group, EDF and Edison will also assess the potential for the development and application of new nuclear power in Italy, given the **growing need for energy security and independence of the Italian electricity system**.

According to the four signatories, nuclear power may complement renewable sources, guaranteeing stability and contributing to the environmental sustainability of the electricity system, considering Europe's and Italy's ambitious decarbonization targets that set 2050 as the deadline for achieving climate neutrality. Indeed, nuclear power is one of the best energy sources in terms of low carbon dioxide emissions, ensures reduced land consumption per installed electrical power and guarantees optimal production programmability. Furthermore, new reactors, such as the Small Modular Reactors, boast very high safety features, require limited investments, and can be used to produce both electricity and heat, thereby meeting the needs of the energy system and territories in a flexible way.

Subsequent binding agreements, to be defined by the parties, will follow this Letter of Intention.

*«This agreement lays the foundations for a concrete and open reflection on the role of new nuclear power in supporting Italian energy transition», says **Nicola Monti**, Edison CEO. «This need has become more evident following the upheavals of the past year, confirming the importance of long-term strategic choices. New nuclear power complements the development of renewables and can be an adequate solution to support the 2050 carbon neutrality goals, contributing to the energy independence of the European system».*



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Press release

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«Ansaldo Energia Group has a wealth of outstanding expertise that is of fundamental importance in the energy transition path based on technologies with high know-how contents», says **Giuseppe Marino**, Ansaldo Energia CEO. «Today, more than ever, it is critical to make them available to the market to meet the challenge of decarbonisation».

«Ansaldo Energia Group managed to successfully keep its nuclear expertise alive, after the closing of nuclear power plants in Italy», says **Riccardo Casale**, Ansaldo Nucleare CEO. «We strongly believe in this mission and actively participate in many projects in several European countries, in collaboration with Italian industries and research organisations, testifying the high added value that Italy can bring to the renewed interest in nuclear power in Europe».

«EDF has the ambition to foster international partnerships to deploy a portfolio of nuclear technologies to support Europe towards its net-zero targets», says **Vakis Ramany**, EDF Senior vice president in charge of international new nuclear development. «We are willing to strengthen the cooperation with the Italian industry and the signing of this Letter of Intent with Ansaldo Energia, Ansaldo Nucleare and Edison is a first important step towards a stronger and lasting partnership. This will reinforce the European supply chain of our technologies in a context where many European countries are planning for new nuclear programmes»

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About EDF

As a major player in energy transition, the EDF Group is an integrated energy company active in all businesses: generation, transmission, distribution, energy trading, energy sales and energy services. EDF group is a world leader in low-carbon energy, having developed a diverse production mix based mainly on nuclear and renewable energy (including hydropower). It is also investing in new technologies to support energy transition. EDF's raison d'être is to build a net zero energy future with electricity and innovative solutions and services, to help save the planet and drive well-being and economic development. The Group is involved in supplying energy and services to approximately 38.5 million customers (1), of whom 29.3 million in France (2). It generated consolidated sales of €84.5 billion in 2021. EDF is listed on the Paris Stock Exchange.

(1) Since 2018, customers are counted per delivery site. A customer can have two delivery points: one for electricity and another one for gas.

(2) Including ÉS (Électricité de Strasbourg) and SEI.

About Edison

Edison is the oldest energy company in Europe, with more than 135 years of records, and is one of the leading operators in Italy with activities in the procurement, production and sale of power and natural gas and in energy and environmental services. The company is at the forefront of the energy transition challenge, through the development of renewable and low-carbon generation, energy efficiency services and sustainable mobility, in full agreement with the National Integrated Energy and Climate Plan (PNIEC) and the objectives defined by the European Green Deal. Edison has a highly flexible and efficient power generation park, consisting of 200 power plants including hydroelectric, wind, solar and highly efficient gas-fired combined-cycle thermoelectric plants. The Group's total net installed capacity is 6.5 GW. Today it operates in Italy and Europe, employing over 5,500 people.

About Ansaldo Energia Group

Ansaldo Energia is a leading company in the Power Generation sector, providing engineering and components for conventional power plants in several markets with its own technologies and with its supply chain. Ansaldo Nucleare, fully owned by Ansaldo Energia, has developed expertise in the domain of nuclear systems and components engineering and testing, contributing to various projects for new

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NPPs as well as for PLEX and safety upgrades of operating units, and developing innovative designs and advanced technologies both in the fields of nuclear fission and nuclear fusion.

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