



Press Release

Paris, November 22nd

NAAREA and Pôlenergie sign a partnership agreement to support industrial and regional decarbonization

On the occasion of the 2nd edition of the “Je-décarbore” national event, the largest BtoB decarbonization expo in France focused on promoting national and European solutions, held in Paris on 22 November, NAAREA, an innovative nuclear energy company, and regional energy cluster Pôlenergie announce the signature of a partnership agreement intended to integrate NAAREA’s solution into plans for industrial and regional decarbonization.

NAAREA, a French company developing a sustainable and innovative molten salt fast-neutron nuclear microreactor, and Pôlenergie, an energy cluster organization in the Hauts-de-France region specialized in the energy transition and decarbonization, have entered into a partnership to identify and pre-qualify regions and industries that would be suitable candidates for the deployment of XAMR® technology to supply electricity and/or heat.

Concretely, this partnership agreement between NAAREA and Pôlenergie will entail the identification of regions whose needs are well-matched to NAAREA’s solution, conducting feasibility studies assessing electrical and/or thermal energy demand, and sharing input data necessary to qualify projects to install an XAMR®.

Thanks to this unprecedented partnership with Pôlenergie, coming a few months after the finalization of the first milestone for its digital twin and its first materials tests, NAAREA is entering the pre-commercialization and site analysis phase for its XAMR®. For this initial phase, NAAREA is targeting the most energy-intensive industrial consumers, notably located in Hauts-de-France, the leading French region for industries generating high carbon emissions, with the aim of supporting the region’s re-industrialization and low-carbon transformation.

“With Pôlenergie, we are taking a major step forward in our development by moving into the pre-commercialization phase and process of selecting the future sites for our solution. This partnership will enable us to tangibly envision the contribution that our XAMR will make, through qualifying needs, collecting data and conducting studies with the most energy-intensive industrial consumers who wish to equip themselves with a NAAREA XAMR by 2030. This announcement, made during the 2nd national edition of the “Je-décarbore” event, speaks to the appeal our solution holds for industrial companies, as a complementary addition to the energy mix and alternative to fossil fuels”, commented Jean-Luc Alexandre, Founder and CEO of NAAREA.

“For years, Pôlenergie has been developing an in-depth knowledge of the industries in the Hauts-de-France region and their needs, across all of the sectors considered “energy-intensive”; it supports local authorities with development projects, such as developing heat networks. These two pillars immediately allowed us to measure the interest in NAAREA’s technology and its potential impact: we believe that it can offer an indispensable contribution to decarbonizing industry, and a solution for local regions to increase their energy self-sufficiency. NAAREA’s choice to collaborate with Pôlenergie is a source of pride

for us: this partnership validates the quality of the tools for analysis that we implement. It attests to our operational presence in the field and our motivation to promote the best technologies for decarbonizing our economy”, added Laurent Courtois, President of Pôlénergie.

About NAAREA:

NAAREA (Nuclear Abundant Affordable Resourceful Energy for All) was founded in 2020 by Jean-Luc Alexandre and Ivan Gavriloff to help meet the objectives of energy sovereignty, decarbonization and improving the energy mix. NAAREA is developing a groundbreaking energy solution that will completely close the fuel cycle: the XAMR® (eXtremely small Advanced Modular Reactor), a molten salt fast neutron microreactor capable of producing electricity (40 megawatts electric) and heat (80 megawatts thermal) that will burn plutonium and the most highly radiotoxic waste (with a lifetime of over 100,000 years) produced by nuclear power plants. The XAMR® is designed to be industrially mass-produced and installed in close proximity to consumers, namely in the mobility sector, electro-intensive industries and remote areas. NAAREA benefits from the support of the French Alternative Energies and Atomic Energy Commission (CEA) and French National Centre for Scientific Research (CNRS), as well as industry players such as Assystem, Dassault Systèmes, Orano and Framatome. A carbon-free and non-intermittent energy source planned to be on the market by 2030, the NAAREA XAMR® is opening the way for sustainable and innovative nuclear energy that supports energy independence, increased resilience and the circular economy. NAAREA is a winner of the “Innovative Nuclear Reactors” call for proposals under the France 2030 investment plan and a beneficiary of the French Tech 2030 support programme.

Learn more at: www.naarea.fr

About Pôlénergie

Pôlénergie contributes to the attractiveness of the Hauts-de-France region in northern France, and turns the energy transition and decarbonization into an economic opportunity for businesses and local governments in the region. As a cluster organization promoting the region’s centre of excellence, Pôlénergie supports the energy sectors of Hauts-de-France, its producers, infrastructure managers and users, both public and private. Its primary areas of expertise include energy efficiency, decarbonization, renewable energies, hydrogen, green gases, smart grids and low-carbon mobility. Pôlénergie is a key player in the search for innovative solutions, strategic partners, funding and grants for projects to help decarbonize the regional economy.

Learn more at: polenergie.org

About Je-décarbONE:

Launched a year ago by Nouveaux Systèmes Energétiques, in partnership with the ALLICE alliance and CEA, with the financial support of ADEME, Je-décarbONE was born of the realization that a decarbonization project requires surrounding oneself with the right partners and experts in consulting, financing, technology, etc. In just one year, Je-décarbONE has become a reference for the entire decarbonization ecosystem in France, with its directory featuring over 700 solutions, many of which are local, and its platform to connect carbon-emitting business with solutions providers.

Learn more at: je-decarbONE.fr

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