



Press Release

World Nuclear Exhibition 2023 Reveals its selection of 20 startups among the most Innovative of the Civil Nuclear Field

Paris, October 30th, 2023

The next edition of the World Nuclear Exhibition that will take place in Paris, from November 28th to November 30th, gathering players from the whole value chain of the nuclear industry around the world (650 exhibitors and 20,000 participants from over 76 countries), will prioritize innovation and entrepreneurship like never before, thanks to its newly introduced program specifically designed for startups.

A program demonstrating the dynamism of the industry.

The WNE Startup Program, sponsored by SNETP and supported by numerous partners, aims to demonstrate the economic and technological prosperity of the nuclear ecosystem and to support the most innovative entrepreneurs in the civil nuclear sector by offering them visibility and a unique business experience during WNE.

At the end of the application process initiated in February, 20 of the most innovative startups in the world were selected to join the WNE Startup Village at the end of November. During the three days of the event, they will receive exclusive mentoring to refine their projects, connect with potential partners, and gain visibility within the civil nuclear community and the media.

24 prestigious mentors for an exclusive supporting program.

Chosen for their experience and their engagement towards the startup community or the civil nuclear industry, the selected mentors are coming from 4 different fields.

- Industry partners: to bring potential business and direct industry insights.
- Serial entrepreneurs: to share experiences and give advice.
- Technical experts: to offer key technical expertise.
- Investors & Media: to review business models & challenge their storytelling.

The 2023 mentors:

- **Martina Adorni**, Nuclear Safety Specialist, OECD Nuclear Energy Agency
- **Abderrahim Al Mazouzi**, Expert at EDF and General Secretariat at SNETP
- **Adoracion Arnaldos Gonzalez**, Innovation and Technology Director, GDES Group
- **Gilles Babinet**, Digital Entrepreneur, Co-President of the Conseil National du Numérique
- **Jacopo Buongiorno**, Professor of Nuclear Science and Engineering, MIT



- **Nathalie Collignon**, Head of Innovation, Orano
- **Mathieu de Lophem**, Managing Partner, Nuketech
- **Héctor Dominguis Pérez**, CEO, GDES Group
- **Valerie Florida**, Global Innovation Director, Westinghouse
- **Thibaut Gain**, Technical Advisor, Framatome
- **Damien Heiss**, Corporate Innovation Manager, Framatome
- **Raphaela Leyendecker**, Managing Director, Techstars Sustainability Paris Accelerator
- **Florence Maher**, Social Scientist, OECD Nuclear Energy Agency
- **Isabelle Morlaes**, MSR Project Manager, Orano
- **Chris O'Brien**, Founder and Editor, The French Tech Journal
- **Joanna Osawe**, Founder, President & CEO Women in Renewable Energy (WiRE)
- **Céline Passedouet**, Investment Manager, Elaia
- **Laurence Petit**, Chief Innovation Officer, CEA
- **Vesselina Ranguelova**, Deputy Head of Division of Nuclear Safety Technology and Regulation, OECD Nuclear Energy Agency (NEA)
- **Sophie Rouzard**, Head of Financial & Strategic Analysis, Nuclear Valley
- **Bernard Salha**, Director of R&D at EDF, President of the Innovation and R&D Commission of GIFEN
- **Giuseppe Sangiovanni**, Managing Partner, Exergon
- **Sonny Vu**, Founder, Alabaster
- **Stéphane Sarrade**, Director of Energy Programs at CEA

The 20 selected startups.

This program focused on innovation is also an incredible opportunity for the civil nuclear community to source innovative ideas in terms of processes and services, products, sustainability and social responsibility, and to come into contact with new players.

“WNE is proud to bring innovation and attractiveness to the civil nuclear sector. This program constitutes the DNA of the WNE, bringing out companies of the future, giving them the keys to revolutionize the nuclear industry.” specifies Sylvie Bermann, Ambassador of France and President of the WNE.

Amiral Technologies: Amiral Technologies is a French CNRS spin-off that develops and markets DiagFit, a full-stack blind failure prediction software for instrumented equipment. It combines our own research-generated Machine Learning technologies with intelligent automation. It allows industrial companies to quickly build failure prediction models, to anticipate very early failure, the known ones and the ones never seen before.

Ask for the Moon: Ask for the moon is an AI-based innovative knowledge management solution for leading companies in the nuclear and energy sectors. This solution has been designed to meet the strategic operational challenges of complex projects that require high expertise and strict safety standards, in close partnership with industry leaders such as Framatome or Eiffage Energies Systèmes. Ask for the moon is the latest startup in the Nuclear Valley Federation.



[Blue Capsule \(BC\)](#): Blue Capsule (BC) is a modular and compact nuclear-powered solution aiming at decarbonizing the industrial and chemical sectors currently relying on fossil fuels.

[Broiz](#): A German App & SaaS for Nuclear Power Plants.

[Capsa Solutions](#): A new approach coming from UK to waste container design for waste disposal of intermediate and low-level waste. Waste containers are safer, quicker to build and more cost effective.

[Dual Fluid](#): A new Canadian fission technology that provides emission-free electricity, cuts today's energy costs in half, and burns nuclear waste.

[Fastpoint](#) : French solution offering manufacturers and site managers with high coactivity integrated active safety solutions to detect risky situations and prevent fires.

[Hexana](#): This french solution offers a small innovative sodium fast reactor to meet the key challenges of the circular economy and energy transition.

[iUMTEK](#): Created jointly with CEA Investment, a subsidiary of the French Atomic Energy Commission, its objective is to develop efficient chemical analyzers for nuclear and industrial uses in situ in real time and more particularly LIBS elementary instruments.

[Jimmy Energy](#): New French technological solution offering inexpensive, carbon-free nuclear fission heat, aiming to be the first competitive low-carbon industry in the world.

[Kalman Inc.](#): South Korean robot providing remote access and enabling inspections and various specialized tasks.

[Kärnfull Energi Group](#): Swedish solution which aims to facilitate access to nuclear power, to allow this energy to play a central role in the Nordic countries' path to achieving their climate objectives.

[NDB](#): American solution creating and implementing secure, cost-effective and commercially competitive nuclear energy systems, including the necessary hardware, fuel, execution and operational know-how, operating primarily in the battery sector.

[Renaissance Fusion](#): French solution consisting of bringing the energy generated by fusion onto the network.

[Sarcomere Dynamics](#): Canadian deeptech startup developed by the HATCH Venture Builder program at the University of British Columbia aiming to revolutionize the robotics industry by developing and commercializing an advanced human-like robotic hand.



Sensemore: Turkish reliability-focused asset management platform with tools (AI-based, hardware and software) designed for machine health analysis, increasing overall efficiency and machine lifespan eliminating downtime and reducing carbon footprint.

Steady Energy: Finnish nuclear energy solution in the form of innovative heating plants and reliable nuclear heat service, seeking to combine industrial efficiency with nuclear engineering.

Stellaria: Of French origin, it provides the next generation of fast spectrum molten salt reactors which can regenerate its fuels, recycle several Ex-MoX fuels, fertilize thorium and natural uranium and burn actinides.

TechnoCarbon: French cleantech start-up designing, manufacturing and selling the first sustainable, high-performance and low-carbon materials capable of replacing steel, aluminum and other metal alloys in infrastructure and power plants.

Thorizon: Founded in 2018 by Lucas Pool and Sander de Groot, this French start-up is developing a promising design for molten salt reactors.

Each of these startups will have the opportunity to compete to win the “Coup de Cœur” prize, awarded by an online vote from the public.

www.world-nuclear-exhibition.com

Join the #WNE Startup Village
from November 28th to November 30th, 2023



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About GIFEN - www.gifen.fr

GIFEN is the unique professional trade union from the french nuclear industry gathering Prime contractors, Big companies, Midcaps, SMEs, VSEs and associations covering all types of industrial activities and all areas of civil nuclear power. Gathering approximately 500 members, the objective of GIFEN is to build with its partners the French nuclear industry of tomorrow. GIFEN also aims to promote and develop international relations between the world players in the civil nuclear industry. To achieve this purpose, GIFEN believes in the WNE (World Nuclear Exhibition) and as owner GIFEN intends to develop it.

About RX - www.rxglobal.fr

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