

Xatoms secures \$3M in pre-seed funding to deploy AI-powered water purification technology

The round was led by Quantacet, a venture capital firm that invests in promising quantum startups.

TORONTO, ON – [June 19, 2025] – [Xatoms](#), a cleantech startup using AI and quantum chemistry to develop solar-activated water purification solutions, has announced the successful closing of a \$3 million pre-seed round, which consists of \$2 million in VC funding and \$1 million cumulative non-dilutive funding received to date.

Xatoms discovers new materials for water purification using AI and quantum chemistry. Its material purifies water in just 30 minutes using sunlight or LED light. It removes biological pathogens, chemical pollutants, heavy metals, and other persistent contaminants without the need for heavy infrastructure. The solution is designed for use in industrial sites, Indigenous communities, remote regions, and emerging markets where traditional water systems are often unavailable or too expensive.

The round was led by [Quantacet](#), Canada's leading quantum VC firm. Xatoms is also proud to be supported by [Genesis Ventures](#), one of Europe's five most active VCs and a global supporter of breakthrough technologies; [Business Development Bank of Canada \(BDC\)'s Thrive Lab](#), which champions women-led, impact-driven companies; and other key ecosystem players such as the League of Innovators, Capital Angel Network, BoxOne Ventures, and prominent angel investors including Joe Gagliese (co-founder of Viral Nation), Evan Kubes, and Alex Challans (co-founders of Resonance (Quantum Insider)).

Xatoms was founded in 2024 by entrepreneurs Diana Virgovicova, Kerem Topal Ismail Oglou and Shirley Zhong while at the University of Toronto and Western University.

Xatoms has received global recognition, including *Forbes* 30 Under 30 North America 2025, 776 Climate Fellowship, Enactus Entrepreneur of the Year, TiE50 Award, SXSW Innovative World Tech, StartupFest prizes, and was recently selected by Google for Startups' AI for Nature Accelerator to build the next generation of climate technology.

"We started Xatoms with one mission: to use our innovative discovery technology to create materials which can tackle the world's toughest climate challenges," said Diana Virgovicova, Co-Founder and CEO of Xatoms. "This funding will allow us to scale our pilot programs, grow our technical and manufacturing teams, and partner with more communities and industrial stakeholders ready for sustainable change. This mission is especially urgent in the face of ongoing water crises affecting Indigenous communities across Canada."

"Xatoms is tackling a pressing need and is a great example of how quantum science can drive transformational change for humanity," shared Chloe Archambault, partner at Quantacet. "The

computational platform they have built represents enormous potential for material discovery for water treatment and beyond. Most importantly, the team demonstrates a great ability to execute. We are eager to build the future of Xatoms with them.”

"It's all about the team, complete and competent in technology and business,” added Stergios Anastasiadis, partner at Genesis Ventures. “Water treatment is moving in a new direction with the Xatoms platform, which is based on chemical engineering and quantum science. A lethal combination. A product with global impact made for the betterment of our world.”

“Xatoms is led by impressive founders who have developed a solution powered by AI and quantum chemistry that purifies water in just 30 minutes,” said Sévrine Labelle, Managing Director of BDC’s Thrive Lab. “Their solution is very much needed, especially in Indigenous communities and remote regions. We are proud to support this promising company alongside a strong syndicate of co-investment partners, and we look forward to seeing the profound impact their innovation will have on the world.

With global support and a growing pipeline of pilot opportunities, Xatoms is entering a pivotal growth phase, advancing partnerships with industry, government, and communities to reimagine water treatment.

About Quantacet

Quantacet is a premier Canadian quantum investment fund, uniquely bridging deep technical expertise with a focused investment strategy. Quantacet invests in high-potential early-stage quantum startups across Canada, providing funding, guidance, and access to critical networks to enable global scaling and generate strong returns.

<https://www.quantacet.com/en/>

About Genesis Ventures

Genesis Ventures is a European Investment fund that invests in technology startups with strong and visionary founding teams, solving real and difficult problems, and operating in large and growing markets.

<https://www.genesis-ventures.vc/>

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