

Catching up with Genesis Systems

Finalist of xTechSearch 5 and winner of xTechEnergy
Resiliency for its innovative solution to water scarcity.



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Water scarcity, driven by population growth, global warming and inefficient water use, poses a global concern. Tackling this critical issue requires conserving water and developing innovative technologies to produce fresh, drinkable water. Genesis Systems' WaterCube® technology is making strides to achieve this for the Army and beyond.



Genesis Systems, a finalist in xTechSearch 5 in 2021 and a winner of xTechEnergy Resiliency in 2022, earned over \$140,000 during xTechSearch 5, and \$12,000 along with a Phase I Army Small Business Innovation Research contract of \$250,000 for xTechEnergy Resiliency.

The company has now completed a SBIR Phase II worth \$1.9 million for xTechEnergy Resiliency and is deploying the WaterCube® solution to the Army – a technology that produces fresh, drinkable water by extracting water from the air.





WaterCube®

In August 2024, Genesis Systems announced that the Army accepted delivery of its first WaterCube®. This system will deliver the highest water output the U.S. government has ever purchased – over 2,000 gallons of fresh water per day!



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xTech is an exemplary program because it helped us gain traction. We secured funding, assembled the right team against the challenge, delivered the solution and now the Army is asking, 'What's next?'

Dr. David Stuckenberg

Genesis Systems co-founder

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WaterCube™



Following WaterCube® demonstrations, Genesis Systems will continue to work with DEVCOM GVSC (the U.S. Army Combat Capabilities Development Command Ground Vehicle Systems Center) to determine additional requirements for future WaterCubes® across the Army. This includes developing smaller WaterCubes® that can be easily transported on standard Army vehicles and can produce up to 650 gallons a day, providing Soldiers with a life-saving necessity – water.



In addition to partnerships with the Army, Genesis Systems is focusing on humanitarian efforts. In the wake of Hurricane Milton in October, Florida deployed a WaterCube® to Johns Hopkins All Children's Hospital to prevent the evacuation of young patients due to water disruption. A system was also deployed for emergency operations near Venice Beach, demonstrating how the WaterCube® enables disaster response and recovery during real-world crises.



To learn more, visit the Army
xTech Program website at
www.xtech.army.mil
and the Army SBIR|STTR
Program website at
www.armysbir.army.mil.

