



No	Applicant	Innovation Brief	Country
1	Aumsat Technologies LLP	The company's AI and satellite-based hydro analytics solution not only detects and predicts water leakage at a substantially reduced cost but, by conserving significant water volumes, also aids in generating water credits. These credits quantify the tangible impact of water saved or Non-Revenue Water (NRW) reduced.	India
2	Bokju Co., Ltd.	To prevent corrosion (rust) of stainless steel and strengthen the durability of polyethene, Bokju developed a new adhesive to bond the two materials, safely ensuring the hygiene of water. It also developed a waterproof panel product that responds to climate change by reducing carbon emissions.	South Korea
3	CAST CO., LTD.	CAST provides eco-friendly ozone and radical sterilization solutions that only use air and oxygen to disinfect food and water. This innovative technology uses a low temperature microplasma technology which helps reduce carbon emissions.	South Korea
4	FAMS Design Solution Private Limited	The company developed an innovation called "FAMS Intelligence" which is an indigenous open-source web GIS-based Decision Support portal for better management of water, climate, agriculture and energy related challenges. The platform provides interaction between forecasters and users to improve forecasts, from early warning to early action.	India
5	Figad Multibusiness smc Limited (FMB LTD)	FMB's innovation is a technology called Gulper; a sewage sludge pump that's based on a simple low-cost water hand pump design. It helps improve sanitation in a country where 3.8 million people do not have a toilet, and over 23,000 Ugandans, 17,000 of whom are children under the age of 5, are dying due to poor sanitation.	Uganda
6	Hydrotec Solutions Private Limited	The company has developed Water Kiosks that run entirely on solar power. It is a fully automatic system that can be controlled by a mobile app and offers safe, sustainable and affordable drinking water for rural communities. Further, the system has integrated water treatment technologies.	India
7	Innovating Green Technology (IGT)	IGT's innovation provides safe and clean drinking water by treating the water with	Lebanon



		adequate systems and reusing RO reject water in fish farming powered by solar energy. These processes secure a suitable supply of safe drinking water while mitigating the effects of water scarcity on the environment and economy.	
8	Istidama	Istidama's WaterSec project provides a transformative solution for water-intensive industries. The innovation, WSSM, is an IoT sensor system utilizing image processing and artificial intelligence to provide real-time, machine-level water consumption data. It allows industries to identify inefficiencies, predict maintenance needs, optimize water usage, and prevent wastage.	Tunisia
9	JW ECO TECHNOLOGY CONSULTING (FUZHOU) CO., LTD.	JW Eco-Technology offers a comprehensive solution focused on on-site water recycling to address too much, too little, and too dirty water. This is achieved through on-site infiltration to address excessive water, on-site storage to address water scarcity and on-site purification to address water pollution.	China
10	SOCIETE COOPERATIVE AGRICULTURE NOUVELLE GENERATION	The intervention, AGRICULTURE INTEGREE, is an integrated farming system for producing cereals and fish on the same farm site. It allows producers to master sustainable water management in the face of climate change and to produce natural fertilizer from aquatic breeding droppings to enrich the soil.	Côte d'Ivoire
11	MC SKY'S FOOD PLANET NIG LTD	The company provides portable drinking water in sachets using Automated Variable Filtration(AVF) technology which helps deliver the highest quality water at substantially reduced costs for an average Nigerian(low-income-earners). The company also provides comprehensive home water treatment solutions.	Nigeria
12	Nimble Vision LLC	Nimble Vision created Ni -The Water Saviour, an IoT platform that makes water infrastructure smart, affordable and scalable. It makes water tanks smart and acts as a conventional water level controller.	India/USA
13	NXTLVL WATER TECHNOLOGY INC	NXTLVL Water is helping solve the water scarcity challenge in the island and coastal communities in the Philippines, by using the most abundant water source; the sea. It	Philippines



		uses an off-grid (no electricity plug-in) renewable desalination solution; simple to install, typhoon and harsh weather resilient, and requires minimal maintenance.	
14	O2NB CO., LTD	By installing 1,000 tons/day equipment to remove fluoride contained in spring water and groundwater in the Arusha region of Tanzania, the company is helping 50,000 residents avoid diseases, establishing a sustainable system, educating villagers on technology, and contributing to the creation of a source of revenue.	South Korea
15	Ridge to Reefs	The innovation mimics natural processes of nitrification and denitrification (that occur in nature) using readily available materials (often from materials considered waste), to treat wastewater to a very high standard - exceeding drinking water standards. The system can be used after a septic system or after primary treatment in centralized wastewater applications.	USA
16	Ruden AS	Ruden's innovation tackles a pressing problem exacerbated by climate change - water scarcity. Traditional hydrogeological methods have often left deep freshwater resources untapped as they only explore depths of around 300 meters. Ruden is able to access water reserves at depths exceeding 1000 meters, hence remains unaffected by drought conditions.	Norway
17	Schrödinger Technologie	RienLight Version 2.0 project by Schrödinger Technologie provides a sustainable and reliable solution for accessing safe drinking water in rural communities and refugee camps, while simultaneously reducing carbon emissions and mitigating the effects of climate change. It utilizes solar power and an efficient purification process.	Nigeria
18	Sense it Out Intelligent Solutions Pvt Ltd	SICCA is utilizing IoT and specialized sensors to conserve up to 80% of water and enhance crop yields. It has also significantly helped reduce the time and effort farmers invest in their fields.	India
19	Blue Group Solutions	Blue Waters offers a cutting-edge water quality monitoring system that combines advanced hardware and software solutions. Its innovation centres around a comprehensive dashboard and sensor array designed for real-time monitoring of various water parameters. This includes	Botswana



			water level, pH, dissolved oxygen, conductivity, temperature, and more.	
20	SSENG		The company's innovation is around water treatment through a micro-fibre filtration system consisting of only 2 processes: coagulation and fibre filtration. The water treatment time is only about 3 minutes and is considered an efficient and sustainable water treatment method to reduce the impact of climate change and carbon emissions reduction.	South Korea
21	Tele-Bere AgroFarms	Green	Tele-Bere was birthed in August 2021 with its innovative solar-powered irrigation systems that take advantage of Ghana's high levels of sunshine and provide clean energy for sustainable irrigation to smallholder forest and farm producers across the semi-arid northern savanna regions of Northern Ghana.	Ghana
22	Tergeo AB		TerGeo is developing an innovative technology for producing freshwater on a large scale through desalination with a technology that requires low maintenance with only the use of local, renewable energy sources. Water production is achieved through an innovative process for evaporation and desalination of seawater where a combination of solar-, tidal-, wave-, and wind energy are used.	Sweden
23	The Virtual Irrigation Academy		Farmers need information about water in their soil and that is what the VIA provides with its user-friendly, colour-based tools. VIA developed a soil water sensor - buried in the ground and attached to a light - that shows blue when the plants have plenty of water, green when things are okay and red when plants need water.	Australia
24	Victoria Green Farms		The company's innovation, "HarvestHaven," addresses the pressing challenge of climate-induced water scarcity and its cascading effects on agriculture, ecosystems, and communities. This innovative water harvesting system not only safeguards against droughts and erratic rainfall patterns but also promotes sustainable farming practices.	Kenya
25	Eco Panplas		1 billion plastic bottles are discarded every year in Brazil. The lubricating oil contained in 1 discarded bottle is enough to contaminate 2 thousand litres of water. Eco Panplas has developed an innovative and	Brazil



		efficient production system, which separates the oil from the ground plastic in an ecological way without using any water, without generating waste, and with a cost of 30% less than the water process.	
26	WI.Plat	The company's innovation is an AI-driven leak detection system which fuses Internet of Things (IoT) and cloud technologies to capture on-site water leakage sounds in real-time. This pioneering setup enables swift validation by non-experts, transforming leak detection efficacy.	South Korea
27	Zim Earthworm Farms P/L	The company's innovation aims to provide off-grid decentralised sewer reticulation using shallow septic tanks and install permanent solutions to manhole blockages. The solution also provides a septic tank sludge disposal and carbon and nutrient recovery park in Harare.	Zimbabwe
28	Blexce Global	The innovation, BLEXCE Water, harnesses renewable solar and wind energy to power the water production process. The system captures air, filters the air to remove impurities and extracts water content through condensation. The collected water then undergoes a rigorous triple filtration process and UV treatment, ensuring it meets the highest purity standards.	Zambia
29	INST DE CONSERV AMBIENTAL THE NATURE CONSERVANCY BRASIL & WATER FUND FOR LIMA AND CALLAO – AQUAFONDO	The Brazil & Peru Water Funds employ large-scale Nature-Based Solutions (NbS) and collaborations, conserving and restoring vital watersheds. This is done through the recovery of ancestral practices, technologies that are in harmony with the catchment, and modern engineering integration.	Brazil & Peru
30	Source Global	SOURCE Hydropanels are a solar-powered, infrastructure-free solution for clean drinking water powered by the combination of solar photovoltaics and high-efficiency solar thermal to transform air into pure water. SOURCE Hydropanel technology provides a climate-resilient water supply to marginalized communities having successfully installed Hydropanels and water projects in over 50 countries.	USA