



ReGen
Global

OUR TECHNOLOGIES AND SERVICES

REGEN GLOBAL



ReGen Global is a UAE-based company at the forefront of pioneering regenerative agriculture and aquaculture, and driving high-tech innovation into the organic management and treatment potential of water.

Our Mission

We are revolutionizing regenerative agroecology, water treatment, food security and biodiversity practices across the Middle East

Our Unique Proposition

We design, manufacture and install storm water and ground water capture and storage systems for water redistribution or reuse. We are able to filter and treat water without the use of chemicals to ensure water is safe for reuse.

We specialize in creating ground-breaking circular ecosystems and water benefits that transform under-utilized coastal areas into vibrant and highly profitable ecological hubs and carbon sinks, reverse desertification, and deliver high impact innovation into the health and wellness, agriculture, aquaculture and oil and gas sectors.

We Bring

Unique patented technologies and systems, strategic relationships, commercial acumen, business development, project management and venture structuring into enabling our joint projects. We apply long-standing scientific and technological IP and expertise into design and execution.

Our Projects

We bring significant environmental, economic and social impact at scale, principally focused on initial delivery in the Middle East and Africa but with intent to spread the benefits of our systems, technologies and know-how across the Globe

Our Structure. We have two principal business delivery arms:

» **AquaTechnology** -our [water capture and storage systems, water filtration, cavitation and health management verticals.](#)

» **AgroTechnology** -our regenerative seawater agriculture and aquaculture farming, and our terraforming and reverse desertification verticals.

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AQUATECHNOLOGY REVOLUTION



Our Technologies, Products and Services

Nanobubble Cavitation

Through our exclusive, patented cavitation technologies, we create ultra-fine nanobubbles. At a world leading 7 nanometres and incredible 670 trillion bubbles per ml, our ultra-fine bubbles enhance water quality, delivering incredible health benefits to athletes and animals through Hydrogen nanobubble treatment, and removing pathogens, impurities and pollutants in water through Oxygen nanobubble treatment.

World beating Nanobubbles of only 7 nano - opening a world of health, wellness and food security possibilities. Ask us to expand on our 'Pools for Life' wellness range

StormCrates

StormCrates are our unique, scalable and patented storm water collection systems that filter, store and clean storm and runoff water for reuse or safe dispersal into the water table. We engineer cost-effective solutions to mitigate the economic risk of flooding, prevent infrastructure erosion and exploit the bountiful natural sources of run-off water.

We manufacture our StormCrates in the UAE.

Water Filtration

Our technology and proprietary system, separates and collects water from traditional extractive industry processes, applying proprietary cleaning systems for safe water reuse, whilst preventing the environmental risks and incredible costs of pumping it at pressure back into the ground.

Enabling Engineering

We conduct dredging and excavation engineering, including the removal of toxic sludge and sediment, to facilitate the delivery of our water treatment solutions.



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REGENERATIVE AGROTECHNOLOGY

Regenerative Seawater Agriculture and Aquaculture

We have pioneered a regenerative food production system combining aquaculture (shrimp and sea cucumber) and halophyte agriculture (salicornia and mangroves). Our revolutionary approach results in greater yields of high-quality food products and has a net-positive impact on the environment, through the natural wetlands, salicornia crops, mangrove coppices and biodiversity growth we create.

Our advanced microbial technology, equipment and proprietary science, ensures high-output in controlled growth environments, with significant biodiversity growth and raised profitability delivered through our natural systems engineering, without antibiotic and chemical costs.

We combine highly profitable aquaculture with sustainable environmental practices, and we demonstrate that nature-based solutions that heal environments are both scalable and profitable.

And we are experts in ecological restoration of heavily degraded landscapes—Terraforming.

We turn the deserts green and restore productive, water-retentive landscapes in the most degraded and unforgiving environments on Earth.

Our Services

- ▶▶▶ Regenerative Seawater Agroecology (RSA)
- ▶▶▶ Hyper-intensive, circular aquaculture
- ▶▶▶ Mangrove Reforestation & Afforestation
- ▶▶▶ Landscape Architecture
- ▶▶▶ Terraforming and Reverse Desertification



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