

CORPORATE DOSSIER

Innovators in Action, Reviving Nature

About Us

Jalchakra Innovations LLP is a leading Environmental Services company operating in the Clean-Tech and Green-Tech sectors. We specialize in the revival and resurrection of native ecologies of wetlands and waterbodies, restoring their ecosystem services and positively impacting Soil, Water and Air ecologies.

An ISO 9001:2015 (Quality Management) and ISO 14001:2015 (Environmental Management) certified organization, we uphold global standards of quality, sustainability, and environmental excellence while delivering scientifically validated outcomes.

As a bootstrapped climate-tech startup, we are dedicated to restoring air, water, and soil ecologies back to their natural, healthy state through proprietary Nature-Based Solutions (NbS) that rejuvenate wetlands and waterbodies and reinstate their ecosystem services sustainably and in-situ. Our vision is to scale these outcomes nationally and internationally by creating partnerships that foster sustainable climate resilience and support Net Zero goals.



Wetlands and Waterbodies

"Waterbodies must not be considered as just a pool or reservoir of water, but an Ecosystem Service Provider."

Living Ecosystems

Every waterbody should be considered as a living ecosystem and an ecosystem service provider to its vicinity.

EcoSystem Services

- Mitigation Services: Include environmental challenges by reducing air and water
 pollution, controlling floods, droughts, and water logging, and lowering the risks of
 vector-borne and waterborne diseases. They help mitigate urban heat island (UHI)
 and peri-urban heat island (PVHI) effects by cooling the atmosphere, and they
 sequester legacy greenhouse gases, contributing to climate change mitigation.
- Conservation Services: Include supporting aquatic, avian, and terrestrial species
 and maintaining aquatic food chains. They facilitate groundwater recharge and
 correction, regulate soil and air moisture to influence rainfall, ensure water
 abundance, and maintain water quality, which together enhance public health and
 ecological resilience.
- Maintenance Services: Maintains perennial flow, regulate ambient temperature, and support native microbiota essential for nutrient cycling. They help sustain oxygen levels in water, air, and soil, aid capillary action for groundwater recharge, and preserve the health of soil, water, and air. These functions collectively improve the socio-economic status of local communities around the vicinity by enhancing environmental quality and resource availability.



What We Do

Jalchakra Innovations LLP rejuvenates waterbodies through proprietary advanced Nature-Based Solutions (NbS) such as Cownomics® Technology, MAGICC, Eco-Dredging, Eco-Liners, and Eco-Drainer to revive native ecology across Soil, Water, and Air.

This carbon-neutral in-situ process restores wetlands and waterbodies and their ecosystem services without mechanical equipment, chemicals, or biologically invasive species, ensuring long-term ecological balance and self-sustainability.

Through this restoration, waterbodies regain their natural aquifer correction and groundwater recharge abilities, reduce floods and droughts, revive aquatic life and food chains, digest suspended and settled solids through in-situ eco-dredging, and restore water-holding capacity. Autotrophic microbial photosynthesis drives carbon sequestration, oxygenation, and blue-carbon sinks, lowering ambient temperatures, mitigating UHI and PVHI effects, improving air quality, promoting biodiversity conservation, reducing water- and vector-borne diseases, and generating neuro immuno boosted water for aquaculture, agriculture, and animal husbandry.



Phase 1

- Foul Odour & Mosquitoes eliminated.
- Reduced TDS, TSS, COD & BOD.
- Improved water clarity, viscosity & movement.

Phase 2

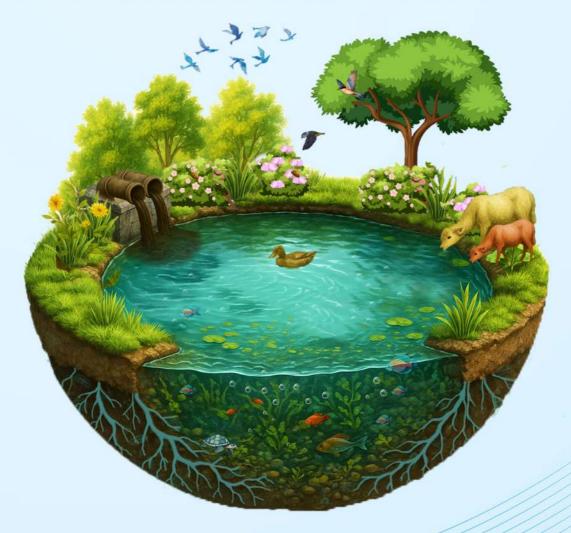
- Eco-dredging to remove sludge.
- Increased water holding capacity
 DO levels.
- Preventing flooding, benefiting locals.

How We Do It

The process uses a Cownomics® mother concoction (100% botanical extracts), diluted in a 1:5000 ratio with fresh water from the same agro-climatic zone and released into the waterbody. This infusion supplies millions of free electrons, triggering ecological chain reactions across physics, chemistry, and bio-geology.

The negative charge (1.6×10^{-19} C) activates sodium-neutralizing microbes, enabling natural desalination without machines, fuels, chemicals, or invasive species. Through this purely biological and regenerative approach, waterbodies begin to self-heal, self-regulate, and self-sustain, reinstating their native ecosystem services.

This in-situ restoration drives measurable outcomes in climate resilience, carbon neutrality, biodiversity conservation, groundwater recharge, and ecological balance, making it a scientifically robust and scalable environmental solution.



Phase 3

- Metabolic calibration for pollution digestion.
- Fine tuned and calibrated for daily contamination.
- · Waterbody becomes perennial & fully restored.

Revenue Through NBS

The revival of wetlands and waterbodies to their native ecological state generates large-scale environmental, socio-economic, and biodiversity outcomes, Creating multiple revenue opportunities across aquaculture, agriculture, fisheries, ecotourism, carbon credits, water credits, sanitation credits, biodiversity credits, emission credits, ESG-driven CSR programs, and climate-resilience financing

Primary Revenue

Transforming restoration projects into sustainable, ecological assets.



Secondary Revenue

Community based livelihoods:



Tertiary Revenue

Healthy water as a resilience multiplier:



SDG Goals we meet



Comprehensive Research



Environmental Impact Assessment

Restoring the waterbody improves local air, water, soil, and groundwater parameters while cooling the micro-climate. Cleaner inlets and reduced organic load enhance water quality; vegetated banks protect soil; GHG emissions drop; and biodiversity resurges across the entire wetland corridor.

Socio-Economic Impact Assessment

The rejuvenated waterbody becomes a productive community asset that strengthens well-being and resilience. Water security increases land, farm, and fisheries value; new nature-based livelihoods emerge; public health improves; and overall community happiness and living conditions rise aligning with multiple UN SDGs on water, climate, health, jobs, and sustainable communities.



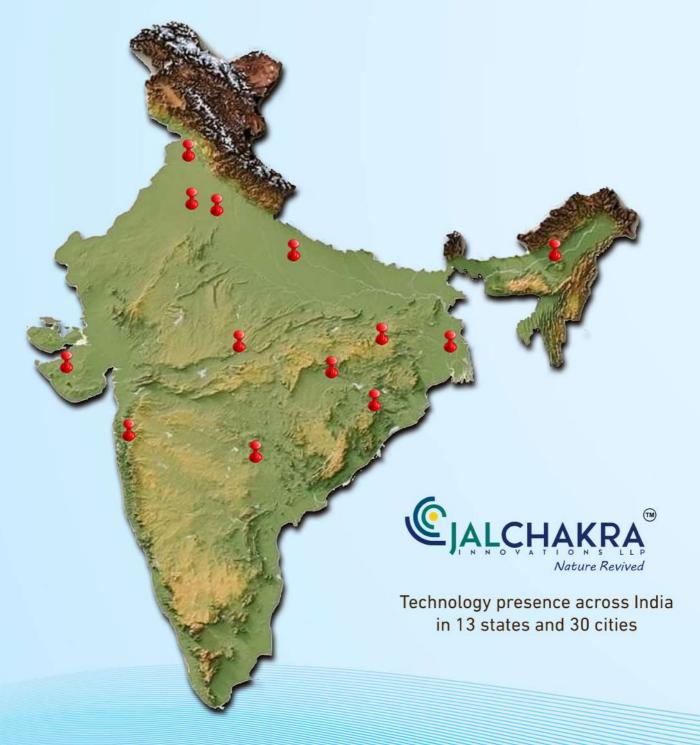


Bio-Diversity Impact Assessment

Ecological restoration reinstates trophic food chains, diversifying aquatic plants, fish, amphibians, and invertebrates while promoting self-purification. Green belts and buffer zones attract birds, pollinators, and small wildlife, transforming the wetland into a compact biodiversity hotspot that supports climate adaptation and long-term ecosystem resilience.

Proven Impact

JalChakra Innovations' Nature-Based Solutions have a demonstrable track record across numerous waterbody restoration projects in India. Each deployment delivers measurable improvements in water quality, soil health, air quality, biodiversity, groundwater recharge, and public health — offering governments, corporates, and international organizations a tested, scalable, and sustainable solution to urgent climate and water challenges.



"Restoring ecosystems for a climate-resilient planet, advancing Net Zero, SDGs, and biodiversity revival through NbS."

Partner with Us

JalChakra Innovations is committed to collaborating with governments, multilateral organisations, research institutions, corporates, and CSR/ESG stakeholders to scale Nature-Based Solutions for climate resilience and environmental sustainability.

Our deployments have demonstrated that restoring wetlands and waterbodies delivers measurable improvements in water quality, soil health, air quality, biodiversity, groundwater recharge, and public health — while simultaneously generating long-term socio-economic value for communities.

We welcome partnerships for:

- National and international waterbody restoration projects
- Policy and climate-action programs aligned with SDGs and Net Zero goals
- CSR and ESG initiatives focused on community resilience and nature-based development
- Academic and scientific collaborations for research and innovation in NbS

Awards



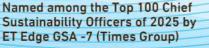




1st Prize at WASH GSAC(2025)









Our journey is one of Revival, Renewal, and Balance. Join us in brining Mother Earth back to life

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Youtube



Project Documentries

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