

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.

