

Lakes that clean themselves again.

Lakes elsewhere stay clear without dredging because their ecology is whole. We restore the ecology, and watch it with instruments, day and night.

No

dredging: the lake is restored, not scraped

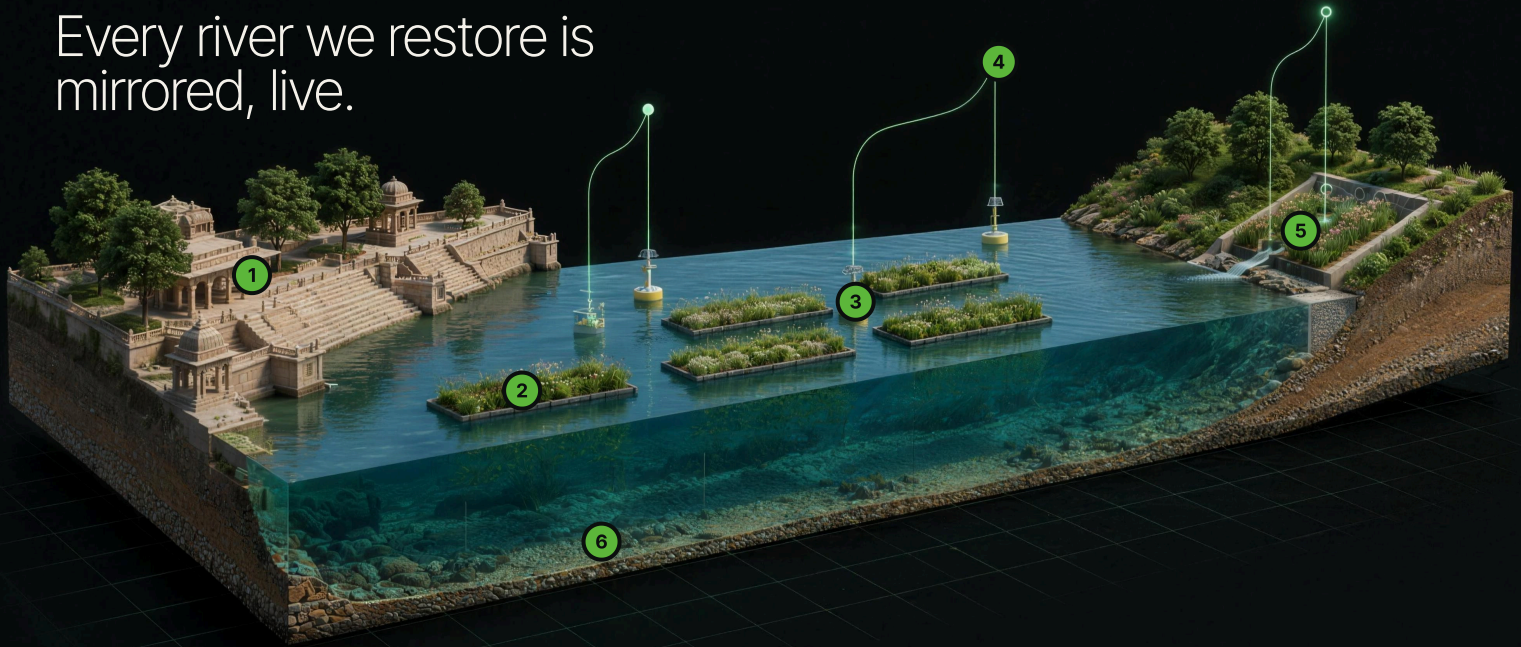
24 h

readings of oxygen, pH and clarity

6

steps, from survey to the day the birds return

Every river we restore is mirrored, live.



VISUALISATION

- 1 Ghats and steps**
the bank people use, kept in the model
- 2 Floating wetlands**
take up the waste that feeds the scum
- 3 Sensor buoys**
oxygen, pH and clarity every few minutes
- 4 Data to the twin**
every reading, live, in one model
- 5 Reed-bed filter**
cleans the drain before it enters
- 6 Water column and bed**
oxygen tracked down to the bed

NOTHING IS DREDGED · SIX STEPS

- 01 Survey**
depth, inflows, a nutrient budget and baseline samples
- 02 Treat the inflow**
a planted reed bed cleans what flows in, before it enters
- 03 Plant the water**
floating wetlands take up the waste that feeds the scum
- 04 Bring oxygen back**
microalgae put oxygen back, down to the bed
- 05 Watch it**
buoys read oxygen, pH and clarity every few minutes
- 06 Twin it**
a live digital twin shows what the water needs next

WHAT WE MEASURE AND REPORT

- (oo) Dissolved oxygen**
read live
- (oo) pH and temperature**
read live
- (oo) Clarity**
read live
- Carbon**
taken up by plants and algae, logged in the twin
- BOD and COD**
sampled, lab-tested
- Nitrogen and phosphorus**
sampled, lab-tested
- Faecal coliform**
sampled, lab-tested
- Algal bloom**
chlorophyll, sampled

WHERE IT WORKS

Lakes · ponds and temple tanks · drains and canals · rivers and ghats · treatment-plant outflows

WHAT RESTORATION HAS DONE ELSEWHERE

- 3×**
clearer water in Lake Washington, Seattle, within a decade of diverting the sewage that flowed in
- 80%+**
less phosphorus in Lake Constance, on the German, Austrian and Swiss border, by treating what flowed in
- 90%**
less organic waste at Neela Hauz, Delhi, after a planted wetland was built at the inlet

WHAT WE WORK ON · स्वच्छ वायु, निर्मल जल, उर्वर मृदा

- Air वायु**
Living columns take carbon dioxide and dust out of the air where crowds gather.
- Water जल**
Lakes, ponds and drains restored by their own ecology, never dredged.
- Soil मृदा**
The harvest returns carbon to tired soil as natural fertiliser.

SIGNED HOSTS



ISO 9001, 14001 and 45001 certified. Laboratory tested by an NABL-accredited laboratory.

TALK TO US

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