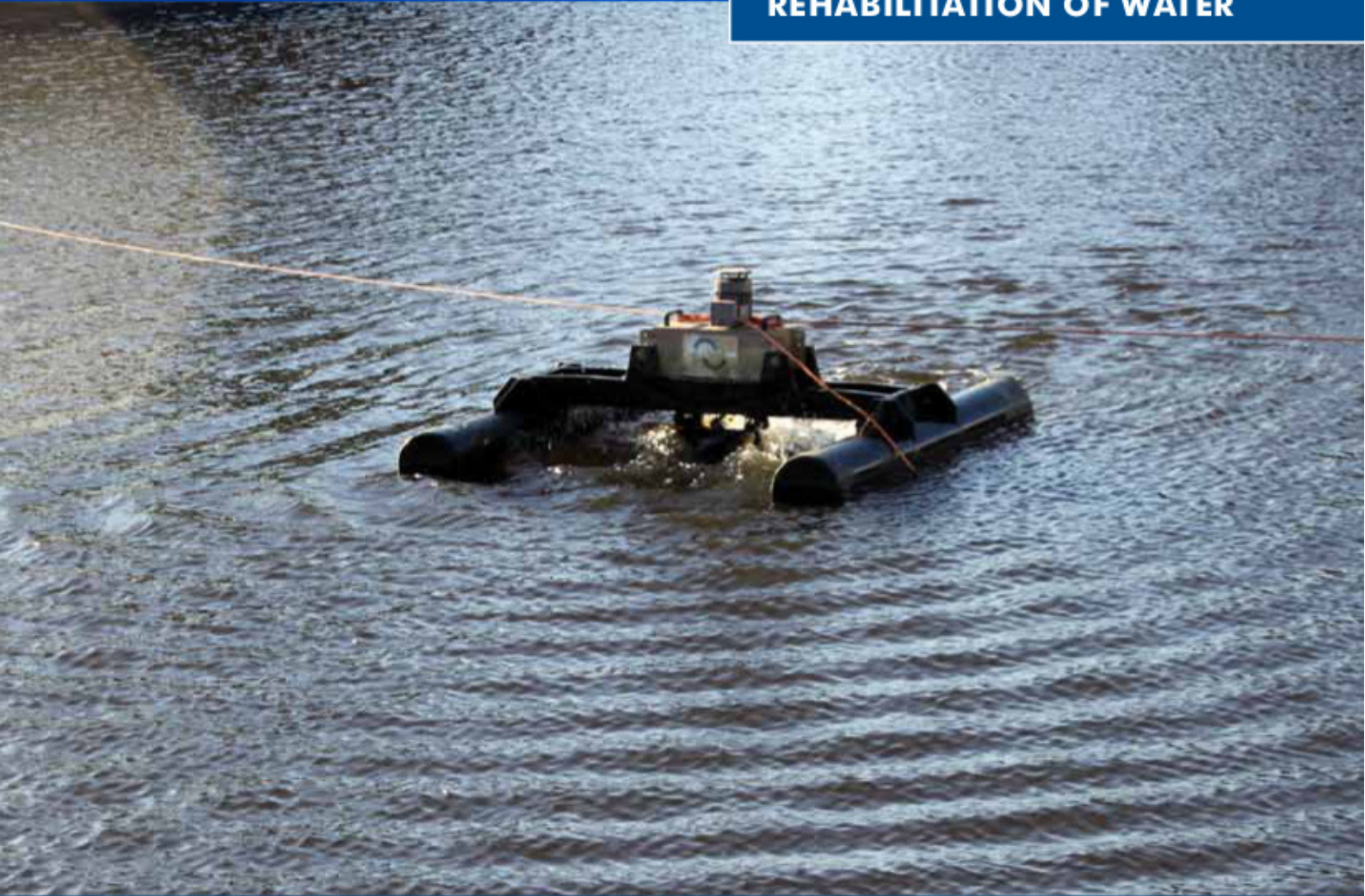


AGITATE
CIRCULATE
AERATE

REHABILITATION OF WATER




OLOID®
Solution
GmbH

THE OLOID – made to agitate, circulate and aerate. Its special agitator – the Oloid – generates a directional flow and, at the same time, pulsing waves. Special Features are the saving treatment of the medium, the low energy demand, an efficient circulation, and (depending on the setting and the demands), an efficient aeration. The plants are positioned on the surface or as submersed agitators.

PONDS AND LAKES

- Eutrophied ponds and lakes in parks, on golf courses, etc.
- Swimming ponds
- Fish ponds

The Problems

- Eutrophication
- Oxygen depletion
- Algae blooms
- Excessive duckweed growth
- Stratification
- Bad odours

The Solution

- Energy efficient, far-reaching circulation of the water
- De-stratification by circulation of the water
- Oxygen transfer at the OLOID agitator
- Higher oxygen transfer via the water surface due to a continuous surface renewal
- Bad odours vanish due to higher oxygen levels
- Algae blooms and excessive duckweed growth are prevented by the OLOID flow

CATCHMENT BASINS, BUFFER BASINS, ETC .

- Catchment basins (of general nurseries and tree nurseries, etc.)
- Slow sand filters for the germ reduction of irrigation water
- Buffer tanks for run-off from airports contaminated with de-icing agents
- Rain catchment basins

The Problems

Similar to ponds and lakes, plus:

- Contamination of irrigation water with bird faeces
- Clogging of irrigation systems with algae
- High BOD₅ load of run-off from airports contaminated with de-icing agents
- Deposits in rain catchment basins

The Solution

- Aeration of irrigation water in slow sand filters
- Algae blooms are prevented due to the OLOID flow
- BOD₅ degradation by aeration and circulation
- Homogenisation by agitation



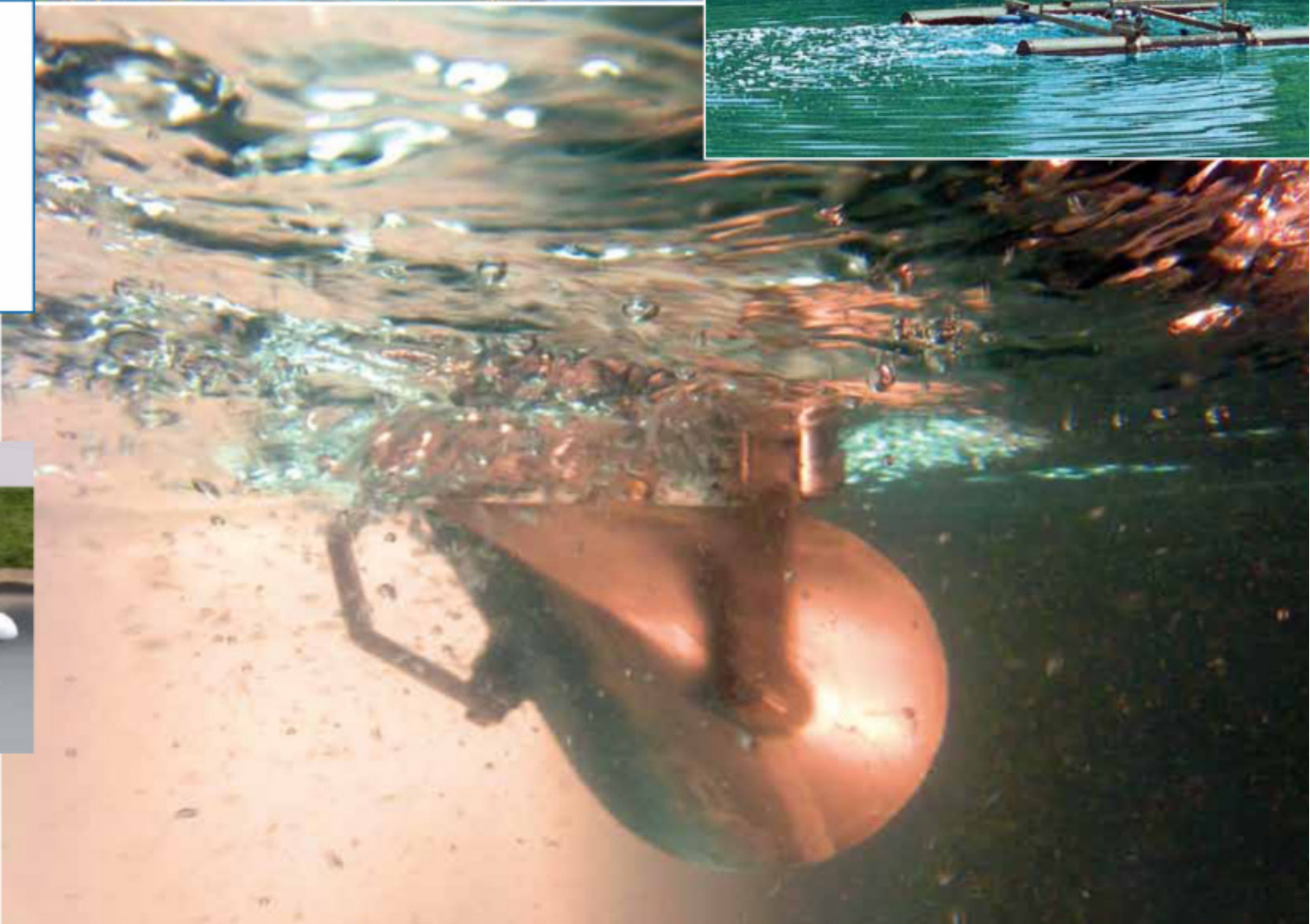
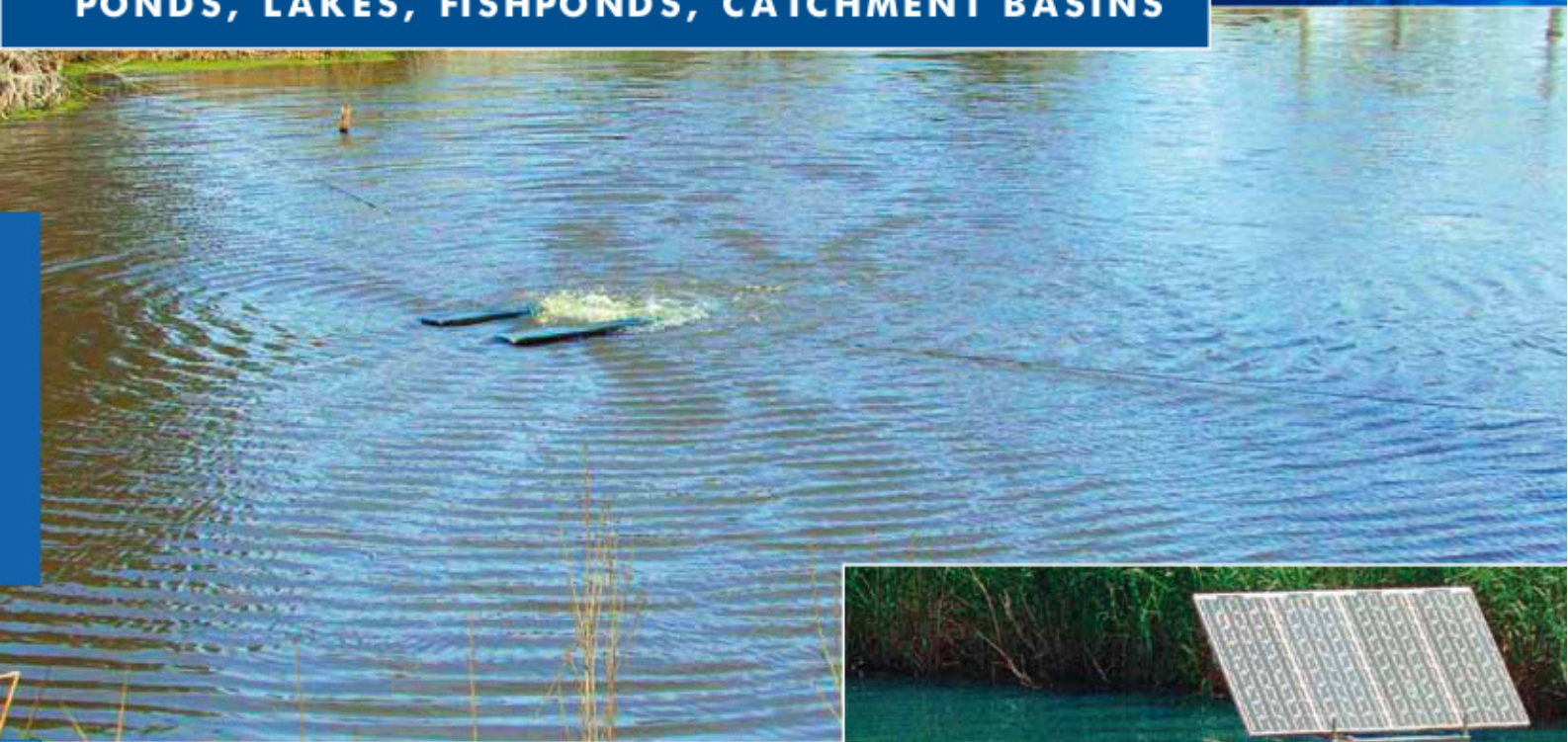
OLOID type 200:
50 watts for 1'000m³.



OLOID type 400:
250 watts for 10'000m³.



PONDS, LAKES, FISHPONDS, CATCHMENT BASINS





OTHER USES AND APPLICATIONS

Sewage-Treatment Plants

and Pond Sewage-Treatment Plants (Lagoons)

- Aerated and unaerated pond sewage-treatment plants (lagoons)
- Denitrification und Bio-P tanks in small sewage-treatment plants
- Storm-water basins

Leachate and Waste-Water Treatment

- Leachate of composting plants
- Leachate of landfills
- Liquid manure
- Buffer tanks for industrial waste water

Aquaculture

- Sea-water aquaria

Waste-water with fats from the food-processing industry

- Biological degradation of fats

Flocculation and Coagulation

- Agitation with very little shearing forces

Products and further information available at:



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REPRESENTATIVE