

MICRONANO BUBBLES FOR CLEAN UP OF SEA/LARGE WATER BODY

Industry:	SEA WATER TREATMENT
Application:	ALGAE BLOOM & FOUL ODOUR PREVENTION
Location:	HAKKEIJIMA SEA PARADISE, TOKYO BAY, JAPAN
Technology:	AnzaiMCS' NANO BUBBLE GENERATOR

Nuisance caused by Algae bloom & odour of sea area at Hakkeijima Sea Paradise, Tokyo Bay, Japan. Our MicroNano bubble generator aeration system successfully cured an inhospitable environment into a thriving eco system.

Year: 2013

Water body: Situated west of the center of Tokyo Bay, a marine area like a closed water body.

PROBLEM: Occurrence of red tide and blue tide (**algae bloom**), as well as **foul odour** due to oxygen deficient contaminated water at Hakkeijima Sea Paradise, Tokyo Bay. NO AQUATIC LIFE. 50 cm of sludge deposited at the sea bed.

REASON: Large in flow of organic materials and high nutrient salt concentration.

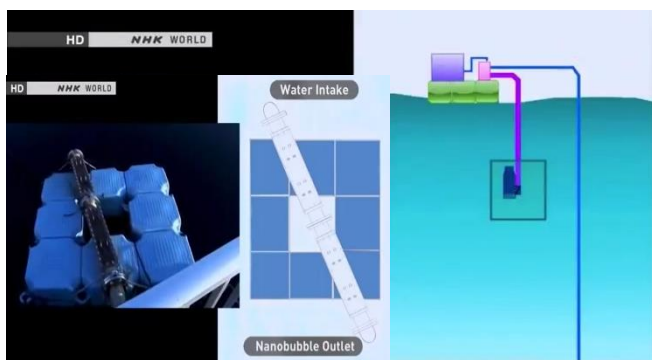


Blue Area is similar to a closed water body

← 50 cm thick sludge deposited at the bottom

SOLUTION:

AnzaiMCS' micronano bubble generator which produces massive quantities of micronano bubbles with gentle current, was installed. Minimal Power Consumption and high effectiveness were key requirements.



RESULT:

In **1 month:** Explosive increase in population of benthic organisms.

In **3 months:** Masses of fish & crustaceans observed. Eco system successfully revived.

The surface of the sludge became porous like a sponge, and various organisms were found living inside.

