

OKAHINA WAVE

France



Overview

An artificial wave in a natural environment: sea, lake, rivers or any water body in the cities. A floating atoll with no concrete pool or water filtration system. A wave every 15 seconds, hollow and barrelling. A 30 seconds ride, and, in a specific setting, an endless artificial wave. A nature inspired technology, economic in energy consumption with no impact on the environment. An artificial reef for the natural aquatic fauna and flora.

Okahina Wave is **the first eco-friendly surfing wave**. It limits it's impact on the environment and improves the biodiversity of aquatic environments degraded by humans, while creating new surf spots that generate economic and tourist activity for the territories.

Advantages:

- **Respect for the environment:** low energy consumption, completely removable structure, a floating atoll whose stirring effect oxygenates water, limits lake warming and retrieves floating waste. Fish nurseries are integrated into the structure that enrich the marine biotope;
- **Cost savings:** lighter structure without pool, high frequency wave generation multiplying the enjoyment of surfers.

Results

- 1 Currently being tested in the Aquitaine region of SW France, **the first OKAHINA WAVE will be created in 2020** in the Futuroscope Technopole area (Poitiers FR);
- 2 **Two new sites currently under discussion** in France (one near Paris and the other near Bordeaux).

Project awards

EU Label:
Seal of Excellence
Horizon 2020



National Label:
Blue Ocean Awards



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OKAHINA WAVE



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