



## Artificial Reefs to be installed in Mumbai

[Source: IE](#)

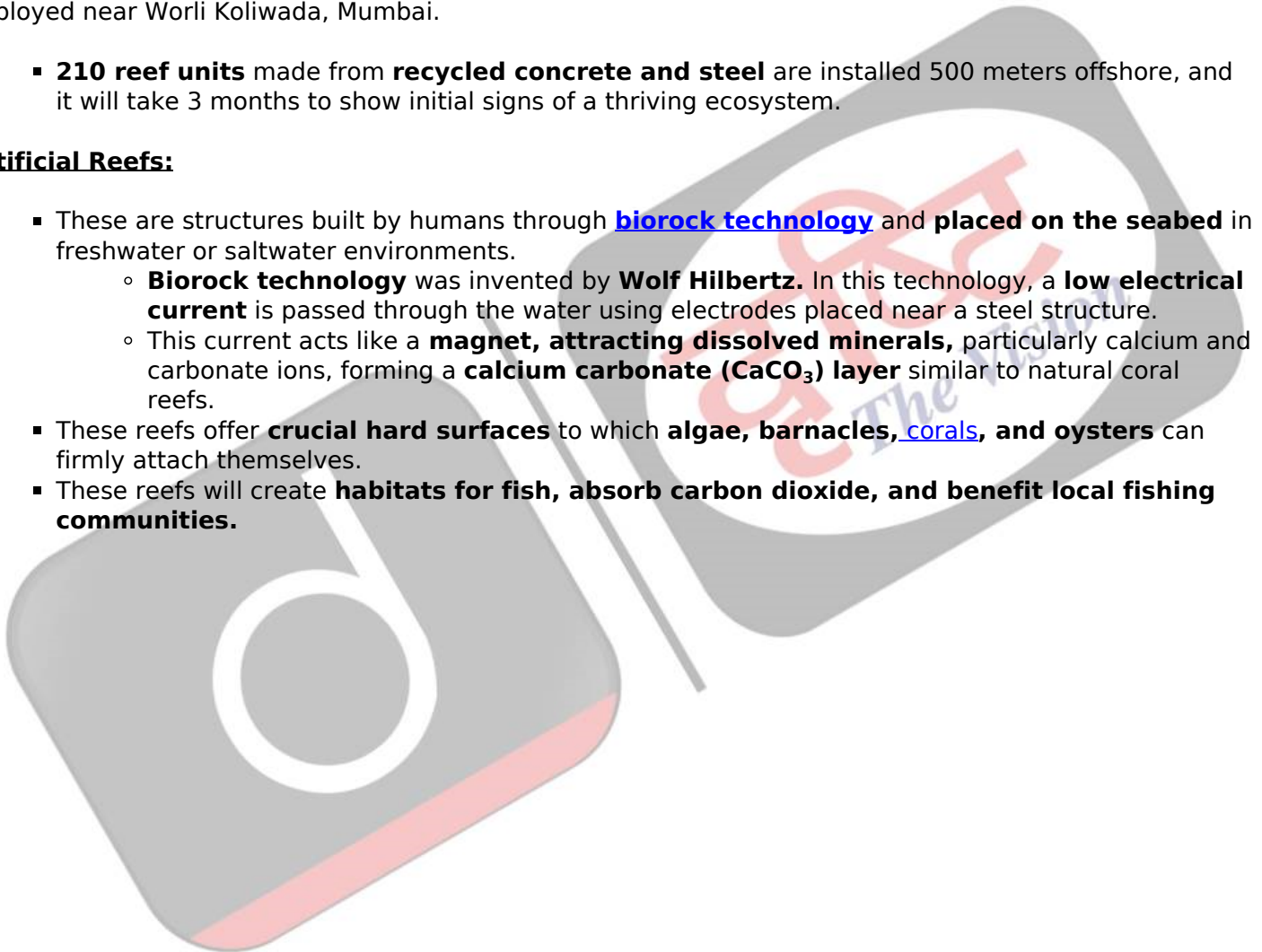
India's second-ever installation of [artificial reefs](#) (after Pondicherry) to boost marine life is being deployed near Worli Koliwada, Mumbai.

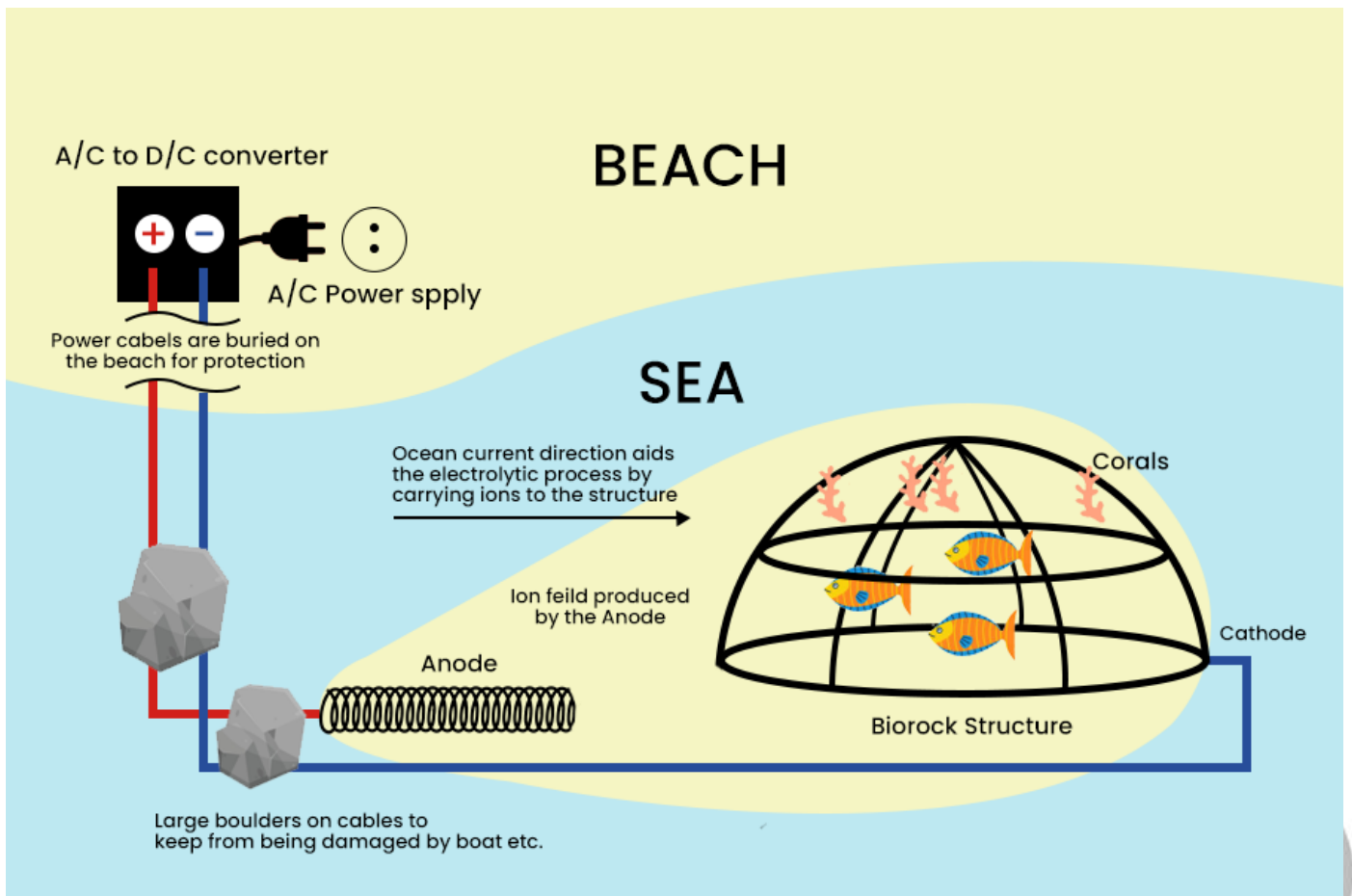
- **210 reef units** made from **recycled concrete and steel** are installed 500 meters offshore, and it will take 3 months to show initial signs of a thriving ecosystem.

### **Artificial Reefs:**

- These are structures built by humans through [biorock technology](#) and **placed on the seabed** in freshwater or saltwater environments.
  - **Biorock technology** was invented by **Wolf Hilbertz**. In this technology, a **low electrical current** is passed through the water using electrodes placed near a steel structure.
  - This current acts like a **magnet, attracting dissolved minerals**, particularly calcium and carbonate ions, forming a **calcium carbonate (CaCO<sub>3</sub>) layer** similar to natural coral reefs.
- These reefs offer **crucial hard surfaces** to which **algae, barnacles, [corals](#), and oysters** can firmly attach themselves.
- These reefs will create **habitats for fish, absorb carbon dioxide, and benefit local fishing communities**.

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**Read More:** [Coral reefs](#), [Biorock technology](#)

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