

Elemental Innovation, Inc.

Beach Protection | Harbor Protection | Security Zones

HALO Eco Wave Attenuators

Eco-friendly HALO Protects Against Damaging Waves

The HALO Eco tunable wave attenuatorSM protects against damaging waves while protecting the environment. Composed of durable, non-toxic materials, HALO uses structural interference, buoyancy, and wave absorption to diminish wave force. HALO Eco is part of a suite of wave attenuators by Elemental Innovation (EI), a leading engineering firm.

The environmentally friendly HALO Eco is the ideal solution for:

- River bank protection
- Wetlands restoration
- Aquaculture
- Pollution control
- Oil containment

Heavenly Protection for the Environment

Unlike conventional coastal protection systems such as steel, wooden or concrete structures, Eco is flexible, modular and can be tuned to changing wave and environmental conditions. By absorbing rather than deflecting the force of waves, Eco works with nature to:

- **Dissipate waves** and wakes
- **Foster growth** of aquatic vegetation
- **Allow light** to pass through
- **Permit the natural flushing** of wetlands
- **Protect sensitive** new growth
- **Act as an artificial reef** for wildlife

To protect the environment, HALO Eco units blend in and leave a small footprint. Units are portable, can be deployed rapidly and are easily modified in water. Plus, anchoring is non-invasive and the units are low maintenance and self-cleaning.

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Elemental Innovation Inc.
TOTAL COASTAL PROTECTION

1083 Bloomfield Avenue, West Caldwell, NJ 07006



Let Eco wave attenuators protect your coastline.

We'll work with you to provide:

- A cost estimate
- A visual representation of how Eco will look when deployed
- Help with permitting and installation

LEARN MORE | REQUEST A VIDEO
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