Aalto./wave

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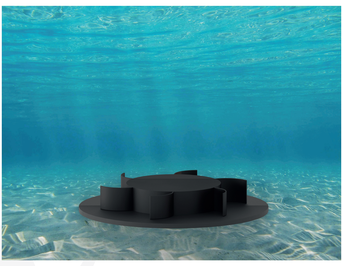
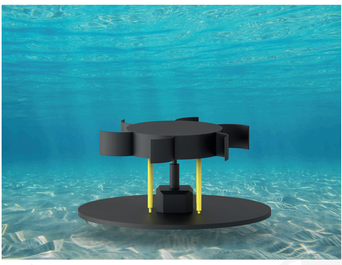


Our product

We created a generator that converts wave energy into rotational and vertical motion which in turn generates electricity. The device trumps traditional designs by harnessing energy from waves from all dimensions, not just one direction or vertical motion as is the case in other designs. It is compact, simple yet innovative in design, and easy to set up.



Why Aalto./wave?

Where our product differs from competitors is that it captures wave energy 360 degrees, not just one dimension. It is also functional yet simple enough to be shipped and installed easily anywhere quickly. A major problem in wave energy has been difficult and expensive installation, so this would be another major advantage over competitors.

How we created in this product

We wanted to create a product that could actually work and would make a difference in society. For our mid-review we combined our two prototypes: one wave barrier that only worked when an incoming wave comes straight-on, and a rotating rodent trap. We were then encouraged to somehow combine these ideas, and so we came up with a device that creatively utilizes both of these prototypes: the idea and function of former with the execution and design of latter.
End result: Aalto./wave.

ENG–A1002 - ARTS-ENG Project

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