



Hālonā WEC

The Hālonā is a mobile wave energy conversion (WEC) platform that provide power for oceanographic sensors and autonomous underwater vehicles (AUV).

The Hālonā functions as a drifting charging platform to improve spatial and temporal resolution by utilizing ocean currents and known background flow patterns to propel the platform and navigate.

Hālonā is an Oscillating Water Column type WEC, that uses the rising and falling motion of the water to compress air into a turbine.

The Hālonā is named after the Hālonā blowhole on O‘ahu , which the design was inspired by. In Hawaiian, Hālonā means “*a place from which to peer; Lookout*”