



# The Infinite Well

- A buoyancy module is attached to the piston of a hydraulic cylinder.
- The hydraulic cylinder is secured beneath the water's surface to a suction pile.
- A turbine operated pump sits on the suction pile along with the accumulator system and the Exchangeable Desalination Skid (EDS).

- Buoyancy hits wave crest & pulls piston up, sucking water in & compressing Nitrogen into a cylinder.
- Buoyancy hits trough & Nitrogen pushes cylinder down compressing water into accumulator
- Lateral wave action turns the turbine and feeds a booster compressing water into accumulator
- Water releases from the accumulator & is forced through the EDS creating potable water.
- Pressure required to operate the EDS is sufficient enough to get the potable water to shore via a long hose
- See video at:

<https://youtu.be/r8Ud5Y7DdN4>

