



Surf Turbine

The "**Surf Turbine**" utilizes the back and forth motion in the water that occurs as long-wavelength waves approach a shallow coast. The turbine, with a horizontal oriented shaft, perpendicular to the beach-line, produces electric power and supplies a desalination system placed onshore. The system can be ballasted by locally available material and pulled out from shore, on wheels, with the help of an anchor, ropes and a pulley. A small boat is needed to place the anchor.