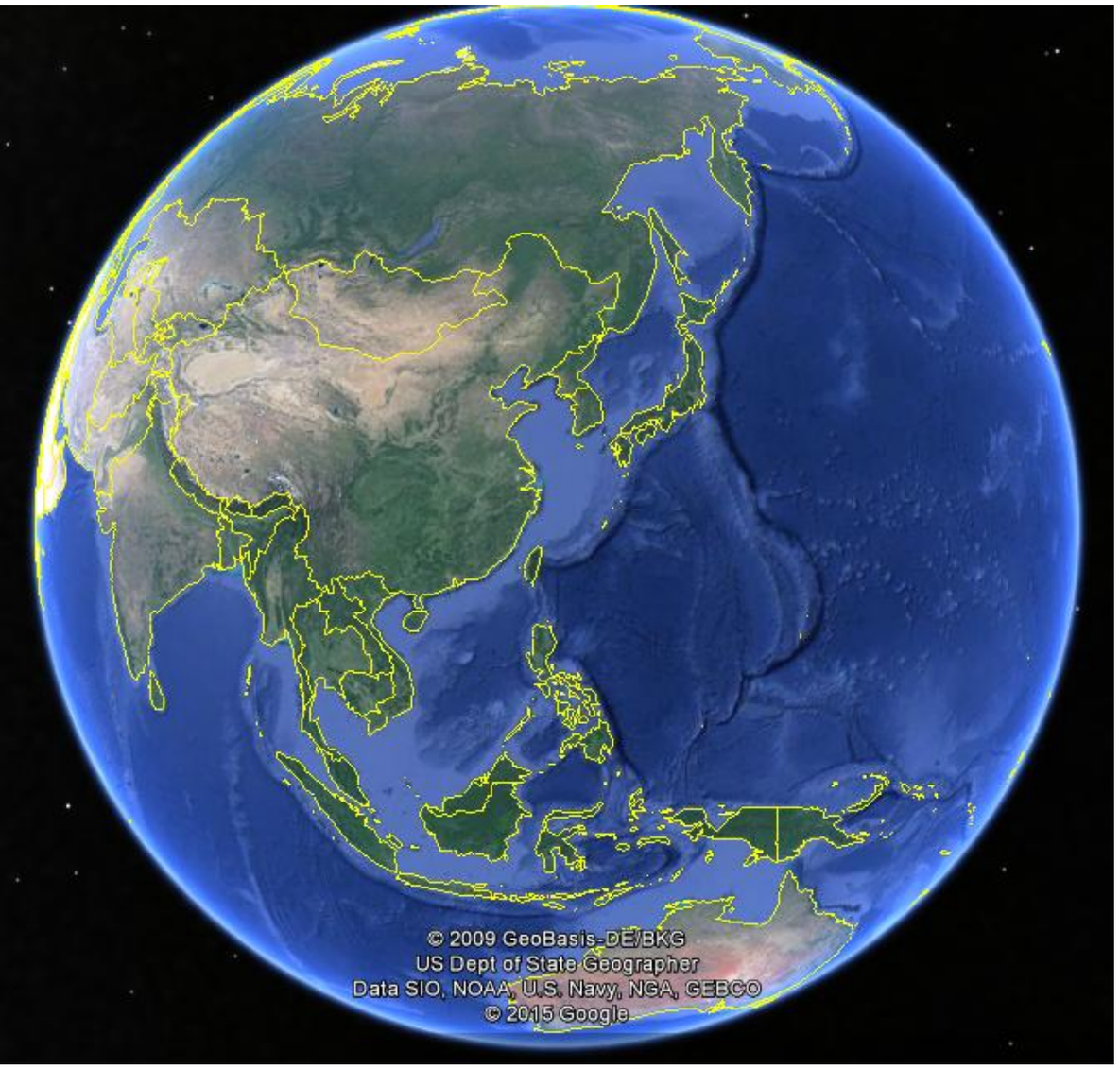
1 Wave Catcher Barge© vs. 4 Onshore Wind Turbines

One Wave Catcher Barge©	4-Wind Turbine Generators
4 – Wind Turbine Generators	4 - Wind Turbine Generators
1 - Barge	4 - Towers
1 to 4 - Mooring Legs / Anchors	4 - Tower Foundations
1 - Export Power Cable	4 - Export Power Cables
4 – Flywheels	4 - Rotor Blades
4 - Unidirectional Pulleys	4 - Truck convoys for foundations
4 - Articulated Pulleys	16 - Truck convoys for towers
1 - Mooring leg installation vessel	4 - Truck convoys for nacelles
1 - Transport Tug	4 - Truck convoys -hub and blades
1 - No Fee Government Permit	4 – Annual land lease fees



Long Period Swell Waves, Found All Over The World, Lift Up The Flat Bottom Wave Catcher Barges© And Their Mooring Legs Turn The Generators.

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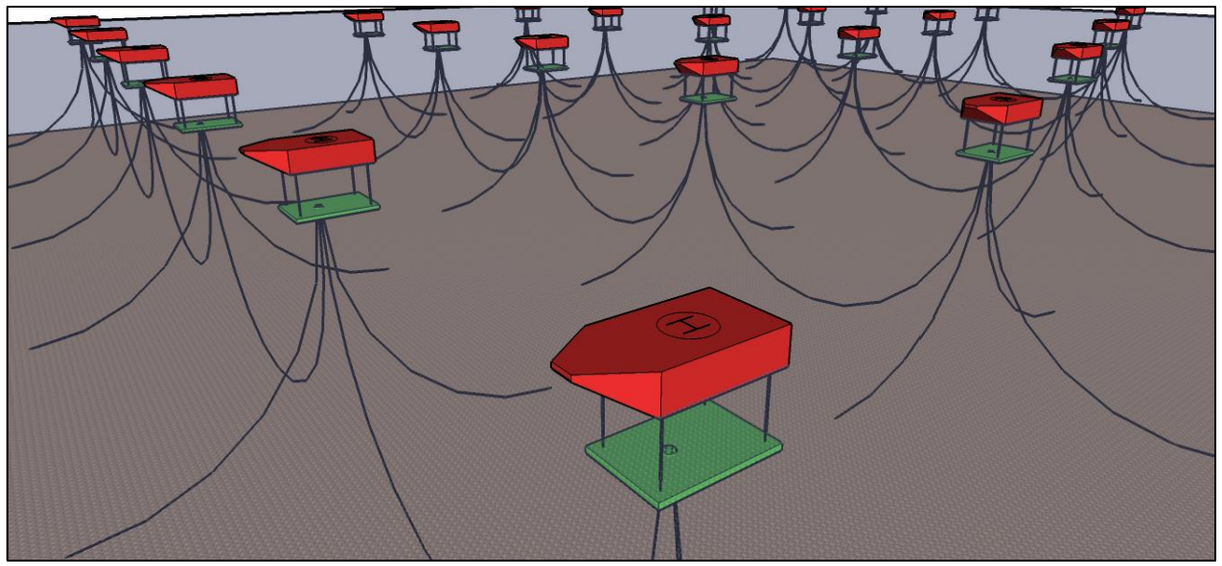
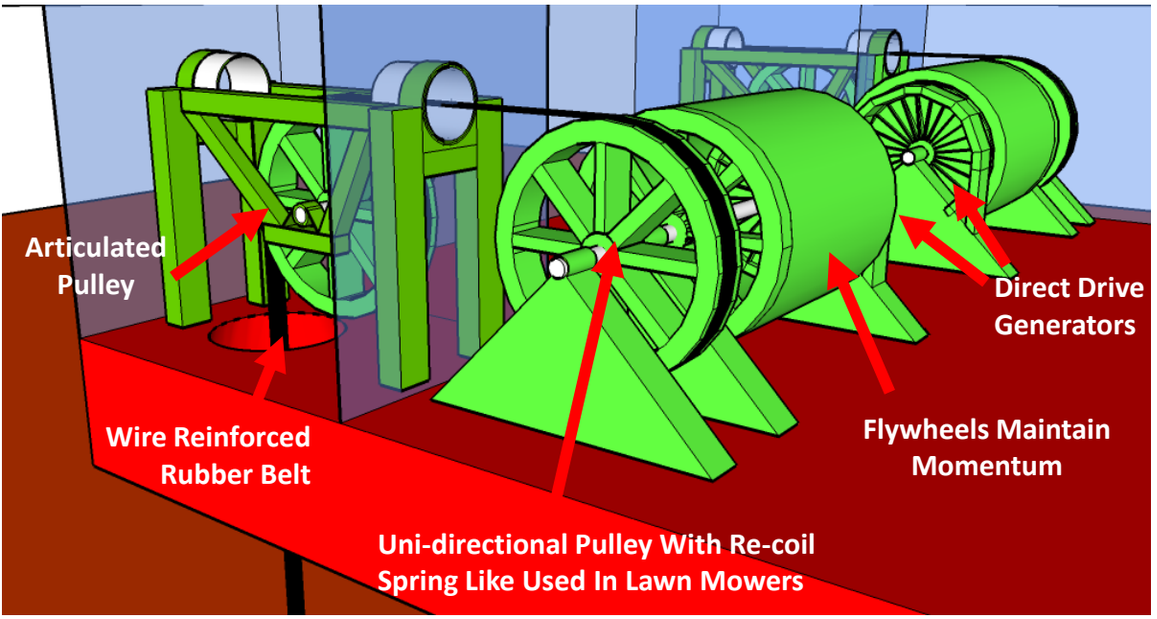
The Wave Catcher Barge© Harnesses The Power Of The Oceans, Our Next Major Power Source

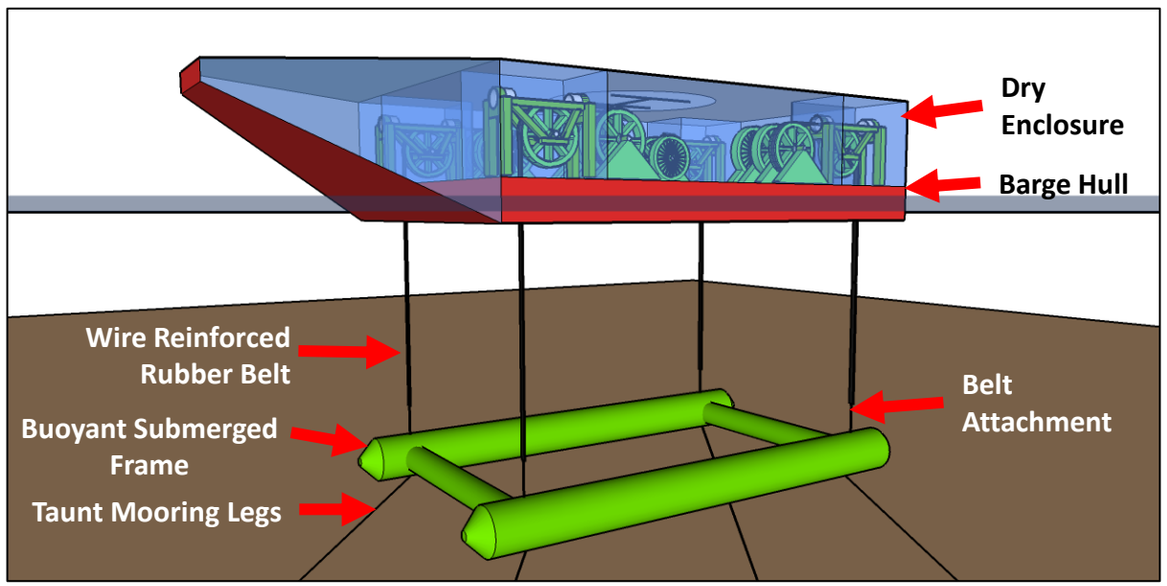
Wave Catcher Barges© promise to be one of the most powerful and cost effective alternative energy systems to date. The barges can be installed almost anywhere, in almost any water depth, even far out to sea. Long period swell waves, found all over the world, lift up flat bottom barges and the barge's mooring legs turn their generators with an output of over 24 megawatts in high swell wave locations. These barges can export AC or DC power at ultra high voltage for long distances through draped marine power cables to surrounding barges or to a power hub for transmission to end users. A hundred barges, under optimum conditions, should be able to produce the equivalent power of a major coal power plant.

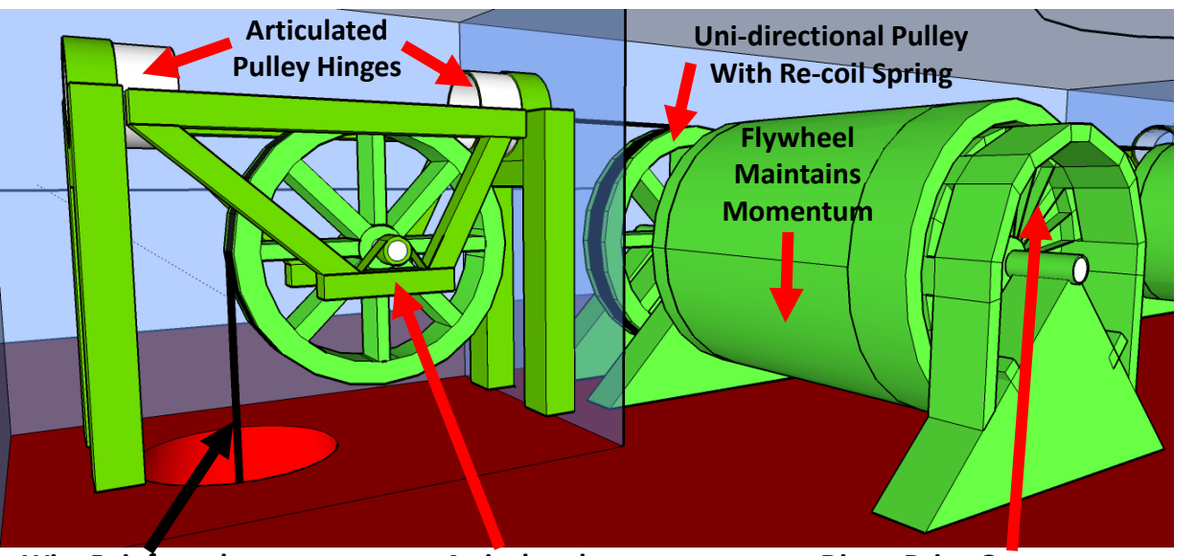
The barges are towed to location and are connected to their pre-installed mooring system and a power cable in less that a day. Personnel can access the barges by helicopter or boat and can safely maintain them inside their water tight enclosures. The low profile of these barges makes them difficult to see from shore. The barges cause no harm to the environment, can survive the largest storms, can be disconnected every 25 years for onshore refurbishment and use already proven components.



Wave Catcher Barge© Components

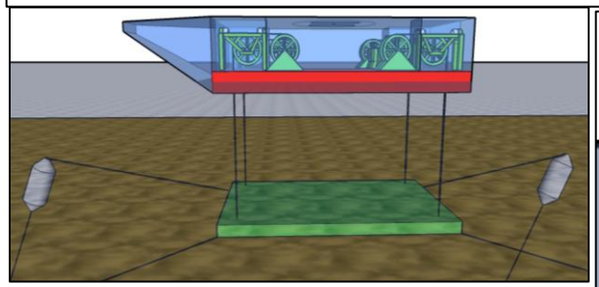




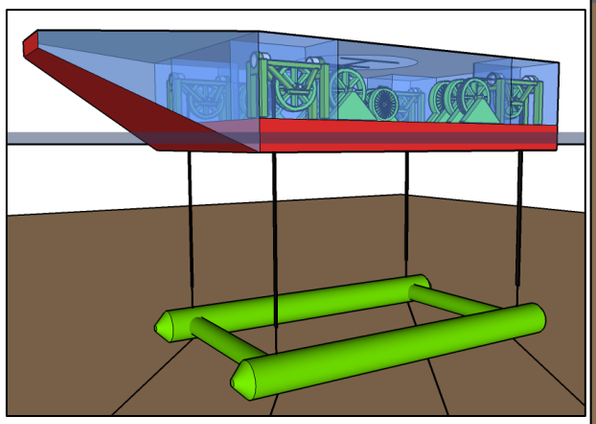


Wave Catcher Barge© Mooring Systems

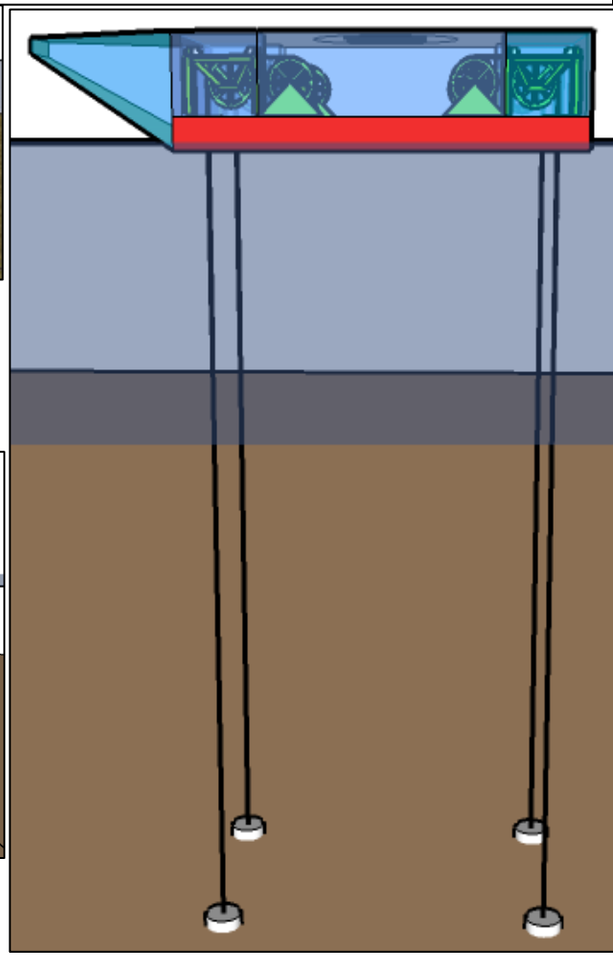
Fixed Heading Moorings



Moored to Submerged Counterweight Which Is Horizontally Moored To Spring Buoys

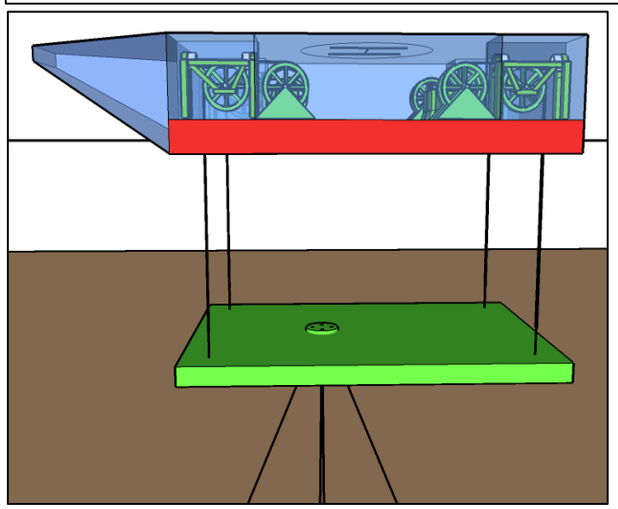


Moored To Buoyant Submerged Taunt Moored Frame

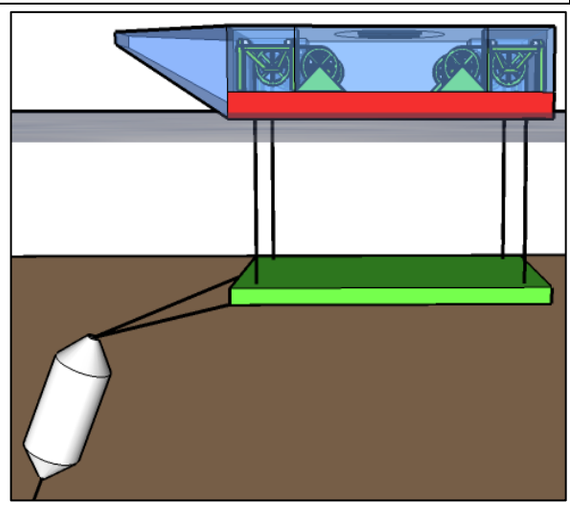


Moored Directly To Seabed

Weathervaning Moorings



Moored to Submerged Turret Moored Counterweight



Moored To Submerged Spring Buoy By Buoyant Rigid Arms

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