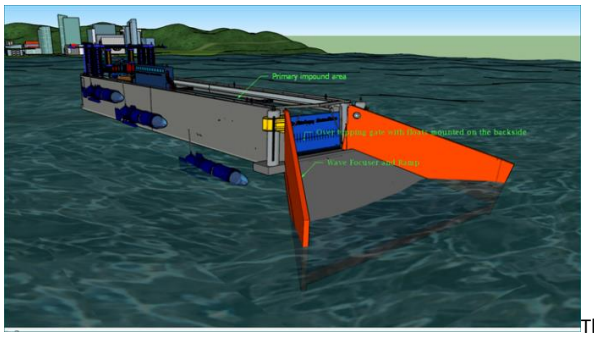
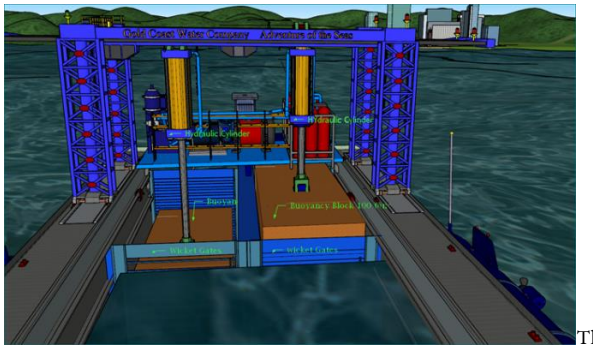
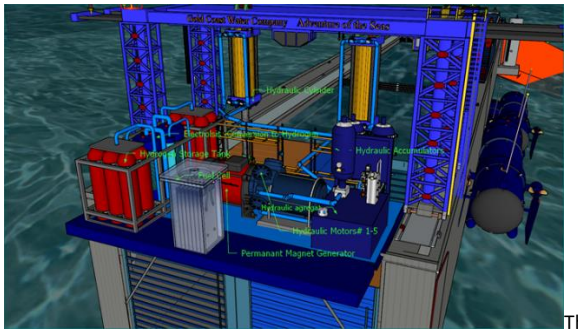
Modified floating dry dock fitted with a ramp and wave focuser. This configuration addresses the 9 sec delay in wave action. The ramp also serves to double the amplitude of the wave while taking a much larger footprint and focusing it to a smaller area to ensure the necessary volume of water to remain operational between waves. You can see this is a massive quantify of seawater staged for delivery into the secondary impound areas.



The over-topping gate prevents seawater from draining out.



The primary impound area leads to the sub impound area that houses the 100-ton weighted buoyancy blocks. They are connected to large Hydraulic cylinders. A series of wicket gates controls the flow of seawater in and out of the areas causing the block rises and falls with the entry seawater. The weight of the block pressurizes the hydraulic fluid to 2000 psi



The pressurized seawater then goes to accumulators then into 2 million ft. pound hydraulic motors then to 10 mw permanent magnet generator-then to the electrolysis machine that generates hydrogen then stores it in the red tanks. A fuel cell is included to provide electricity for shipboard operations and fuel for the ship.