

# 6-Wave Catcher© With Round pontoons

"Wave Catchers"© use long buoyant bodies that ride the water's surface and generate wave power. Its anchor lines pull on pulleys at each end of the buoyant bodies, and the pulleys either turn generator's rotors, pumps gears, flywheels and /or pull linear generators . The flywheels keep the generators turning in the wave troughs. The Wave Catchers© can be installed on their own and anchored directly to the seabed or they can be anchored to current catchers©. The Wave Catchers© And Current Catchers© combination allows both to support each other and together produce more power per single unit.

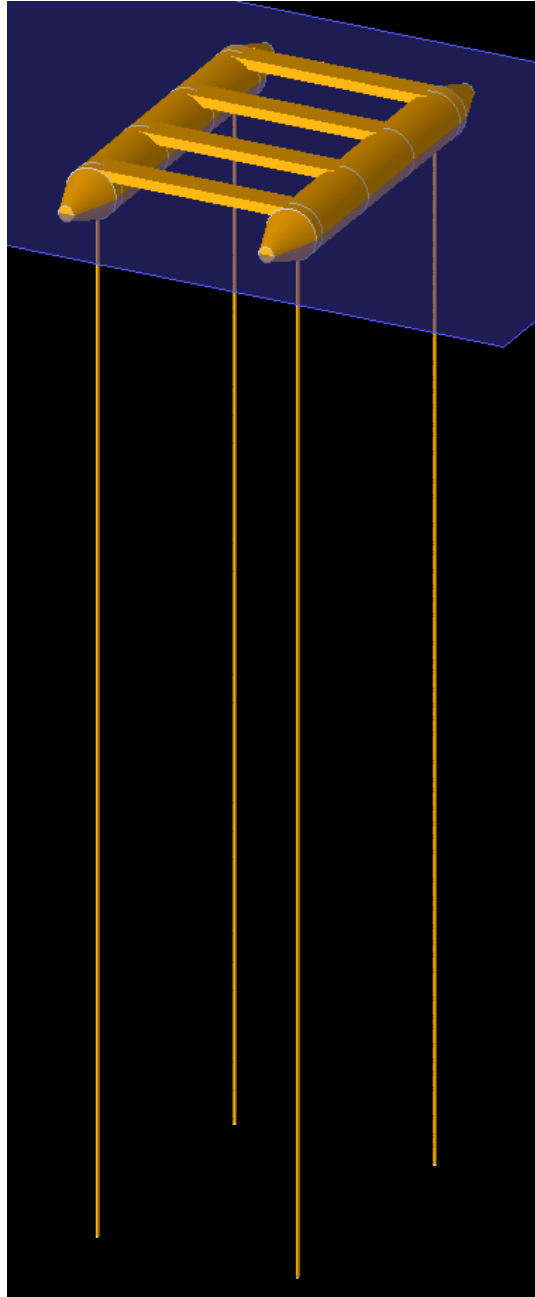
"Wave Catchers"© use surface riding buoys:

- that are oriented to take advantage of the most numerous prevailing waves
- that are designed to be the most responsive to normal waves
- whose anchor lines pull on uni-directional pulleys that turn rotors and flywheels inside the surface riding bodies. The flywheels keep the rotors turning until the next wave lifts up the buoy again.
- anchor lines can also pull on opposing spring loaded linear generators inside the round pontoons.

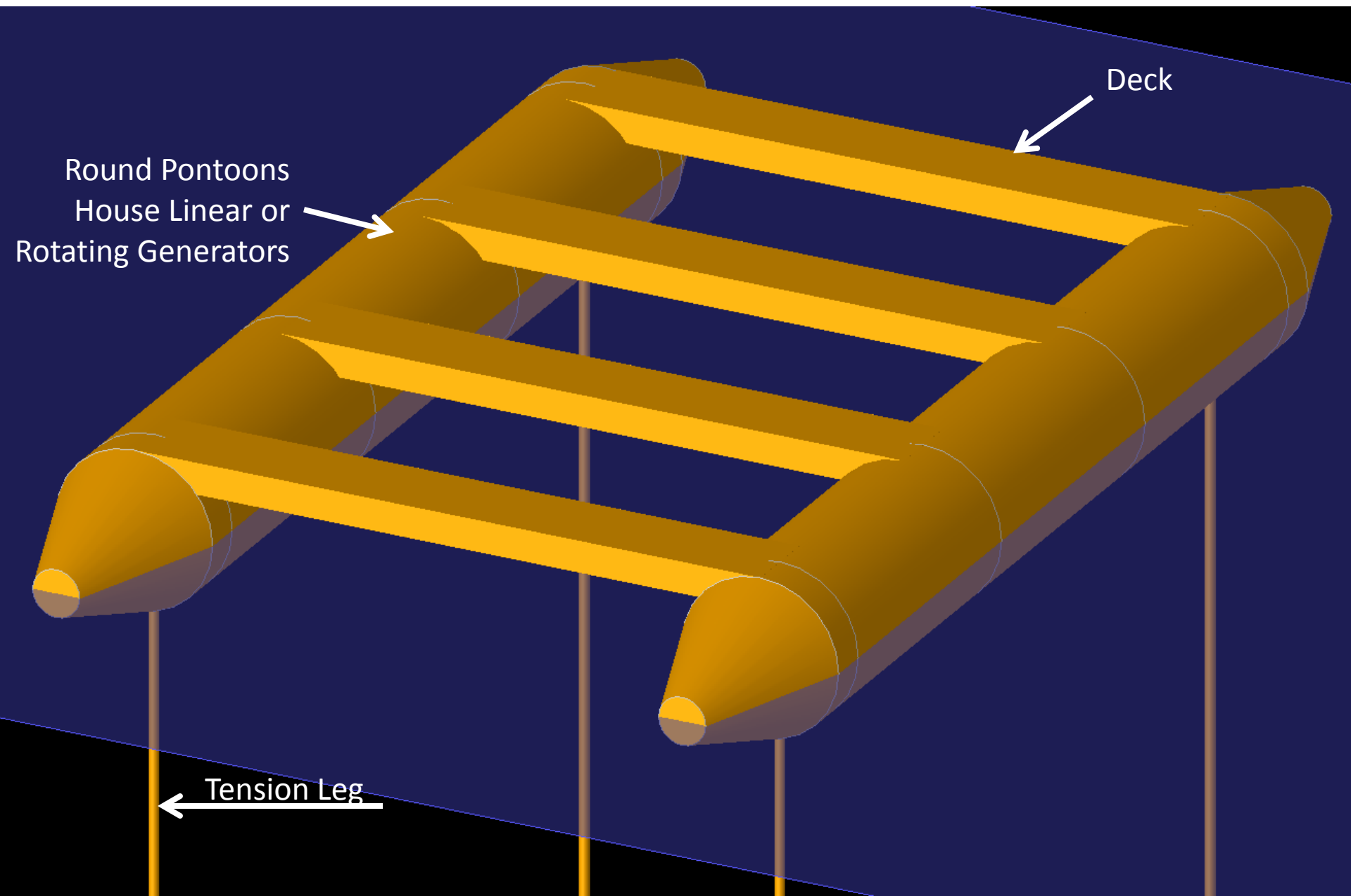
"Wave Catchers"©:

- are lifted by waves from all directions. As a result, the anchor cables at each end of the buoy may either pull together or at slightly different times.
- anchor cables can turn gears, pulleys, rotors and flywheels when the anchor cable's tension is high.
- re-coil springs on the uni-direction pulley's re-wind the anchor cables back around their pulley when the buoy moves down in the wave troughs.
- generators, transformers and control rooms can be mounted on the deck.
- can be installed on a Current Catcher© frame before or after the Current Catcher© frame is installed.
- easy to install, easy to maintain in the dry and easy to eventually remove.

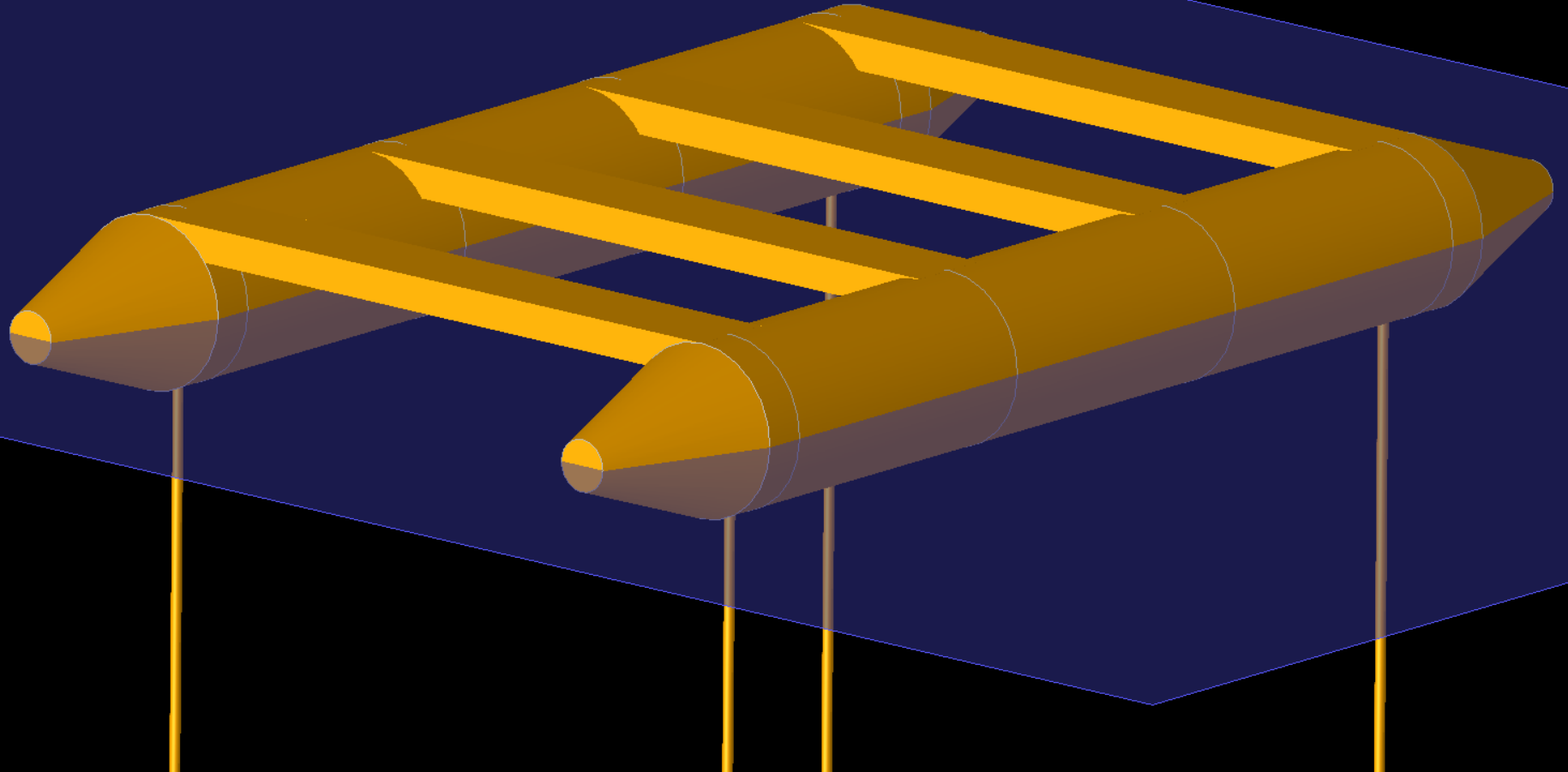
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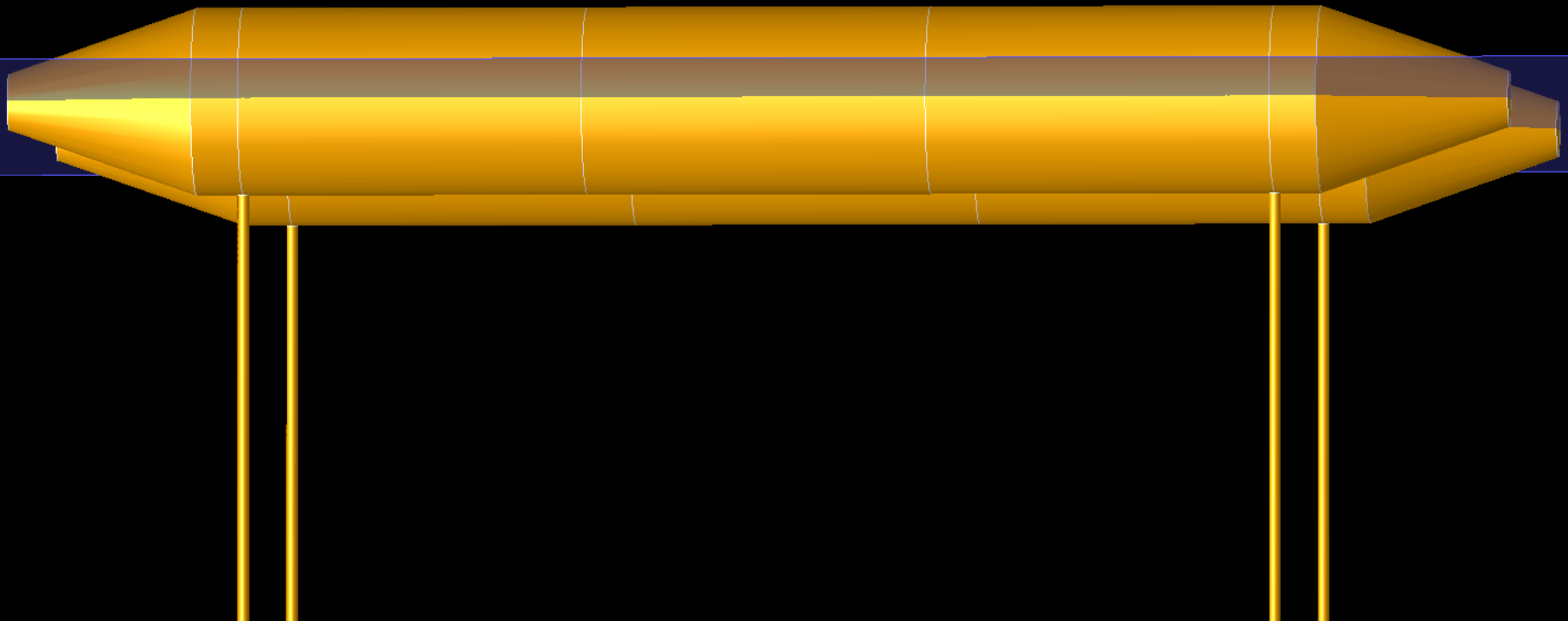
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