

# The Oneka Solution – All-in-one desalination buoy

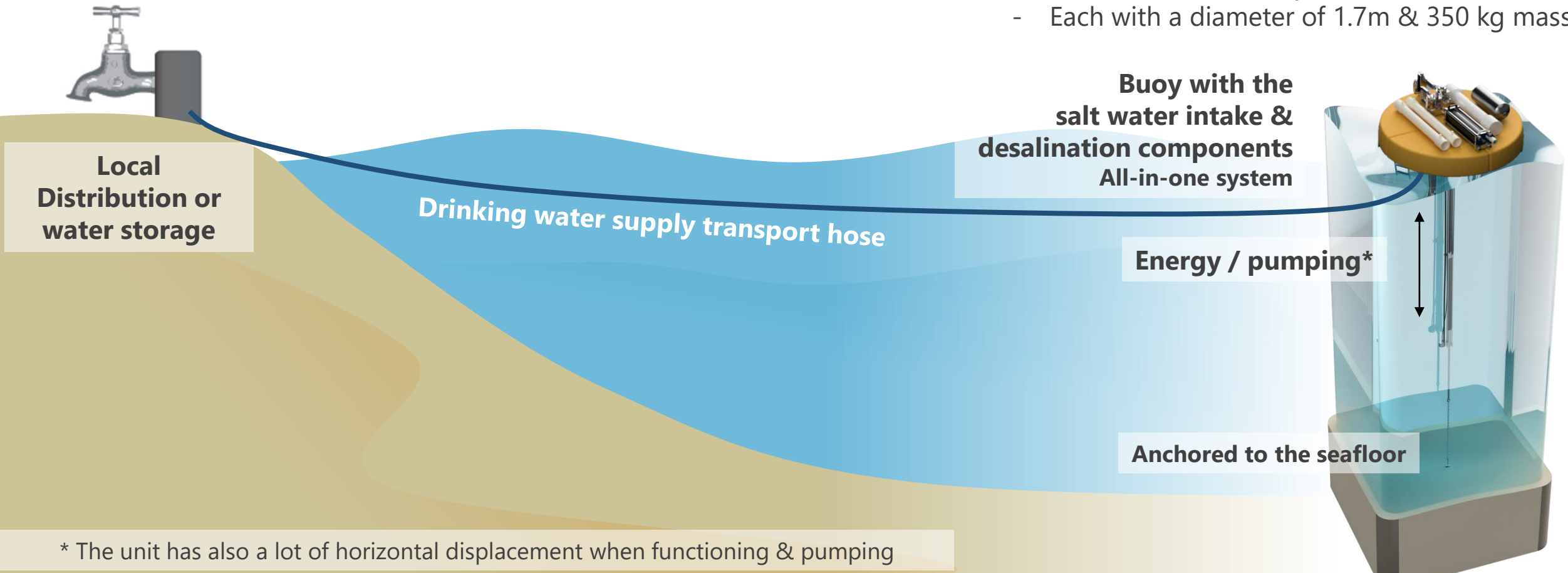


The movement of a buoy actuated by the motion of the swell is used to draw water from the sea and pressurize it through reverse osmosis membranes within the units.

A small portion of the buoy's pumping energy is used to pump water produced from the unit to the shore via a hose that is unfolded at the emergency relief site. The water is then redistributed locally or stored.

## Details:

- Inflatable buoy
- All the components are on the surface
- Purely mechanical RO with energy recovery
- Min. Wave height for operation: 0.4m
- Output of 4,000 L/day with two units
- Each with a diameter of 1.7m & 350 kg mass



\* The unit has also a lot of horizontal displacement when functioning & pumping