

POSILITRE

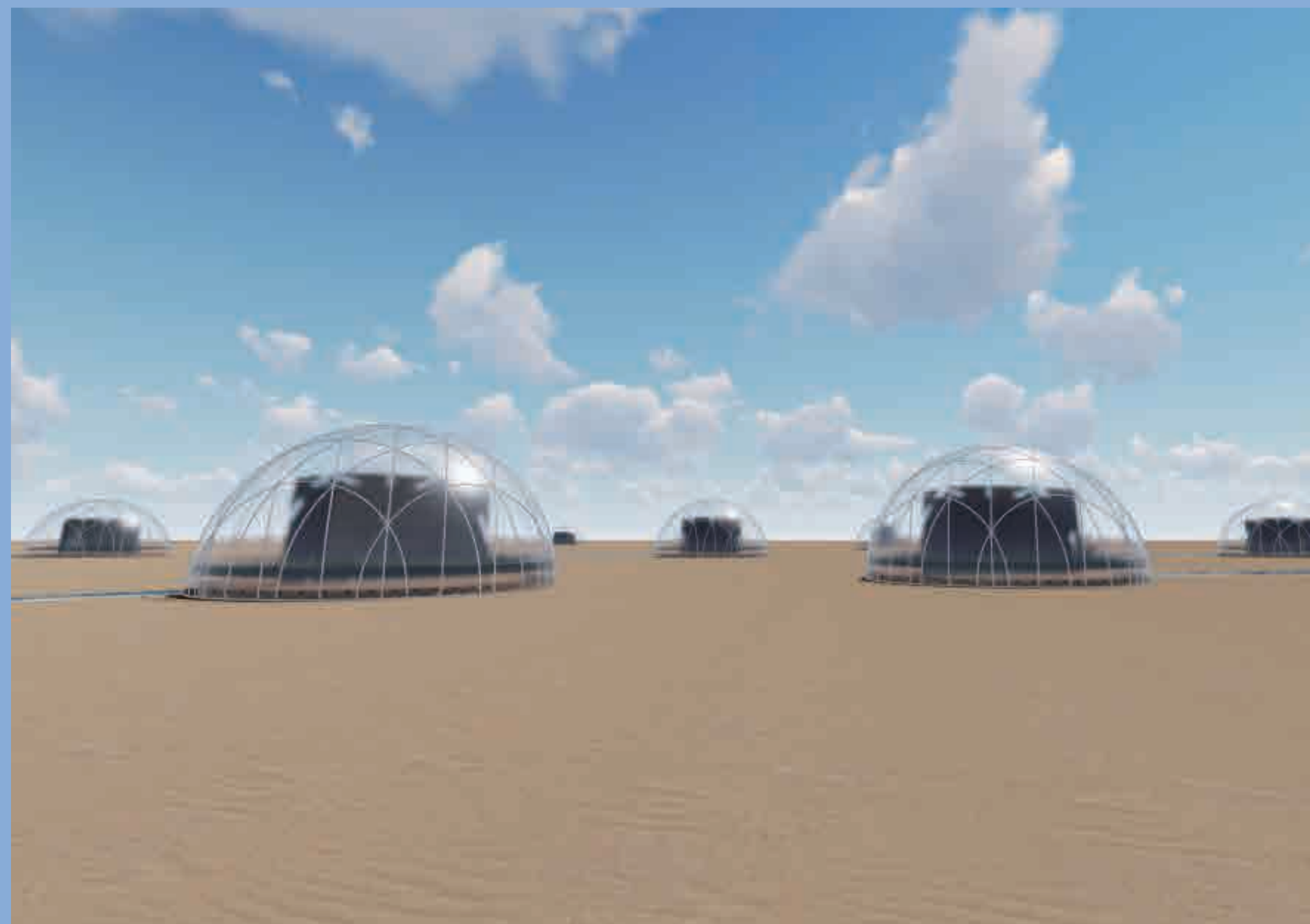
Top View

Arrange regularly when viewed from above



Front View

Scenery when seen from a distance



INSIDE TEMPERATURE CONTROL

The polycarbonate glazing panels regulate the inside environment, resisting breakdown by ultraviolet light, and allowing 65% light transmission. The solar powered central air system effectively cools and regulates the air flow and temperature, making it a comfortable environment in any weather condition.

SOLAR PANEL

The solar panels placed on POSILITRE are efficient in installation with its flexible and thin panels, and reduces installation cost. They are durable, portable and easy to handle, effectively harnessing the sun rays to operate the system.

SOUND PROOF

Sound proof panels are placed to reduce sounds from the desalination plant, and to increase comfort and create a relaxed ambience for the community space.

Accessibility

The processed water coming out of POSILITRE can be transported to cities located away from the coasts, to the community and people.

PUMP

The pump carries water to the desalination plant and the inland, allowing POSILITRE to function not only by the coasts but in proximate distances

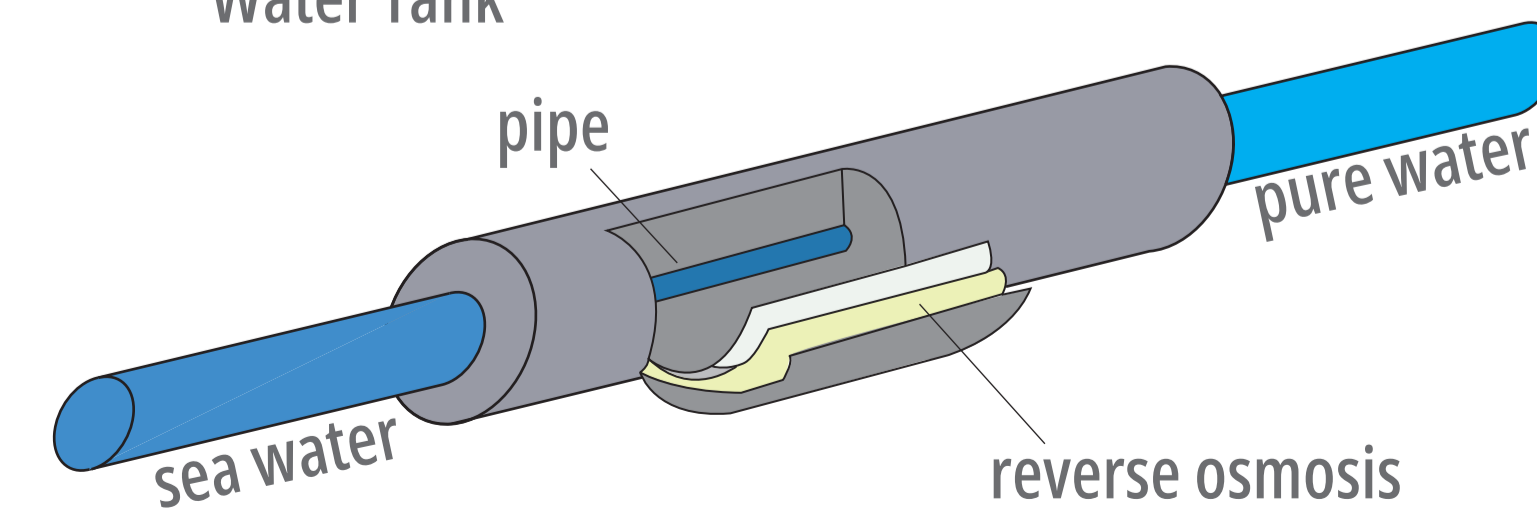
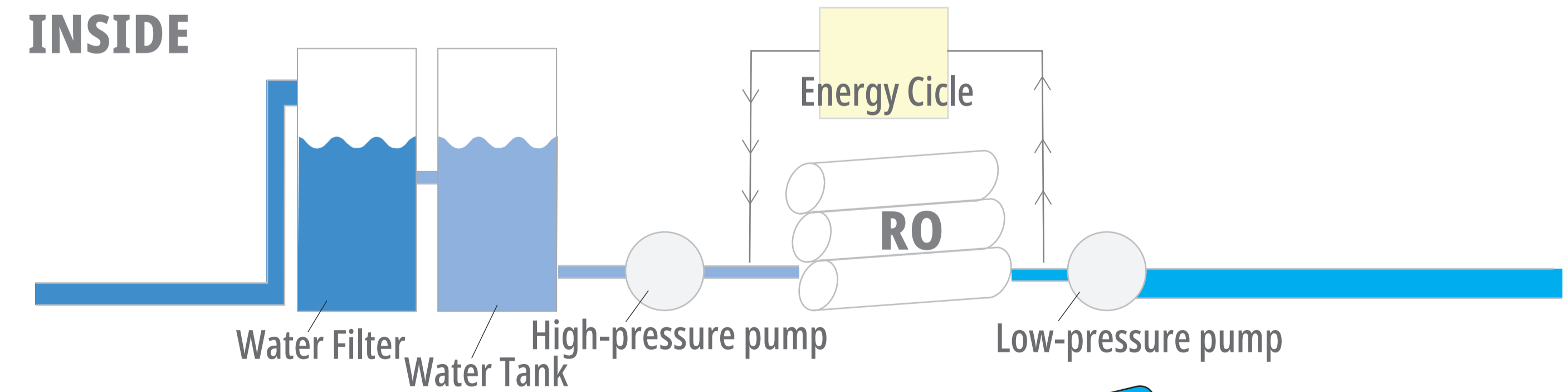
2.2km

CITY>>

RO System (Reverse Osmosis)

The reverse osmosis system has very few moving or replaceable parts, making it simple to maintain with low costs to set up. It requires low energy to process water, and with POSILITRE's use of self generating solar panels to operate, the RO system is 75% more energy efficient than the thermal desalination technology that are used in UAE. Furthermore, the technology has minimal use on chemicals, making it a safe and reliable process to produce drinking water.

INSIDE



RO structure

Reverse Osmosis is a simple desalination process that effectively removes pollutants from water, when forced across a semi-permeable membrane. The contaminants are flushed out, while the clean drinking water is delivered through the pump.