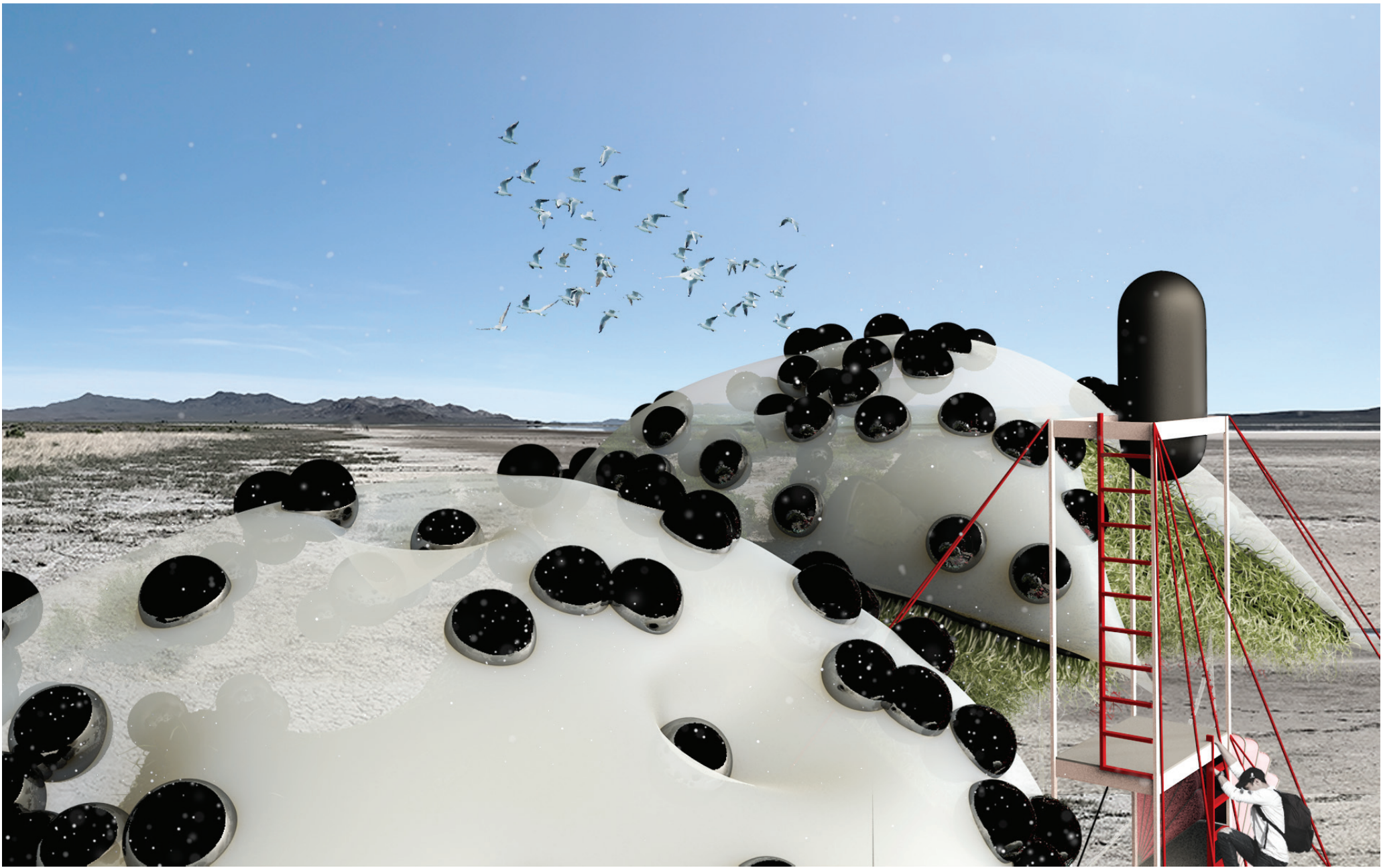


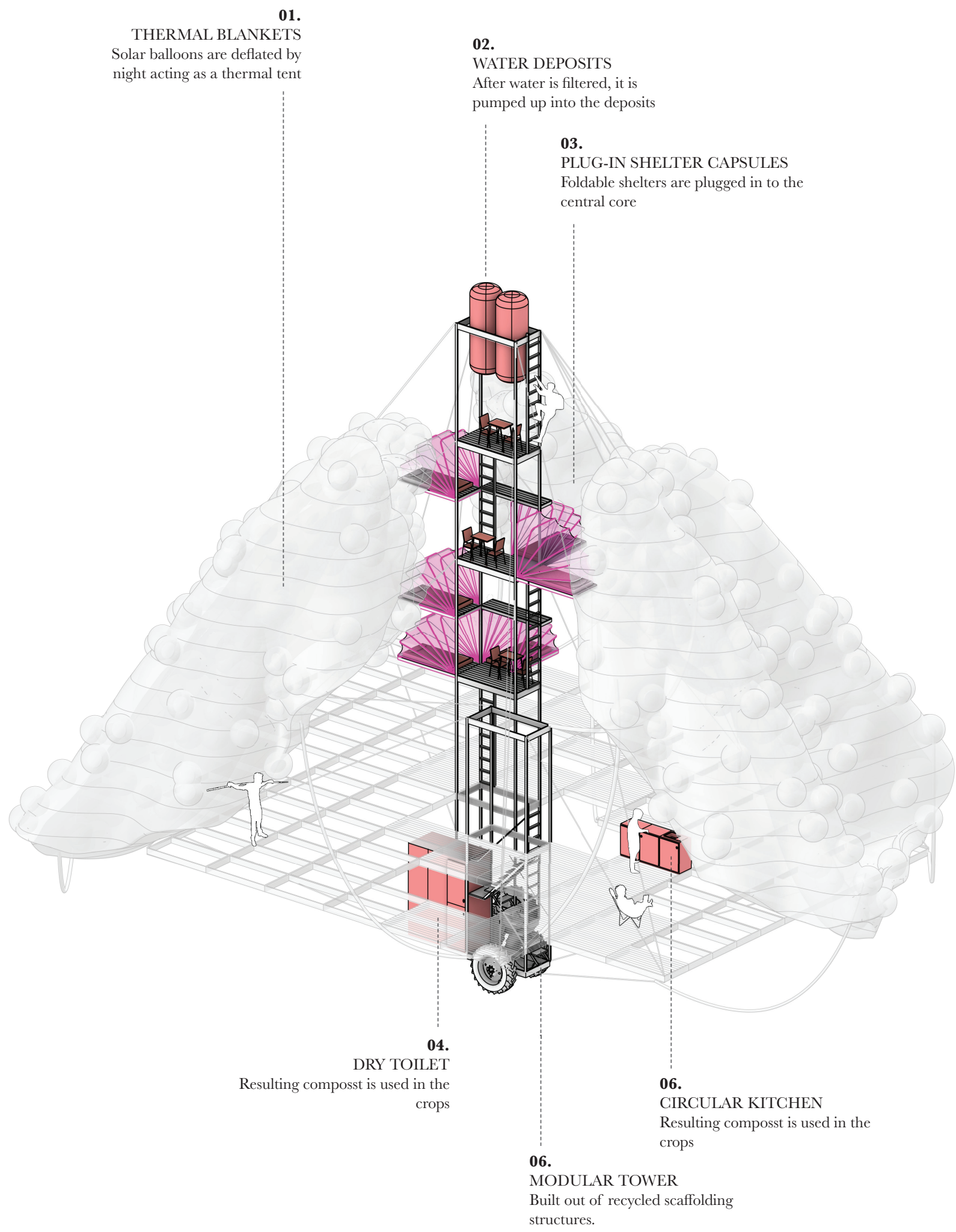
Shelter



Energy

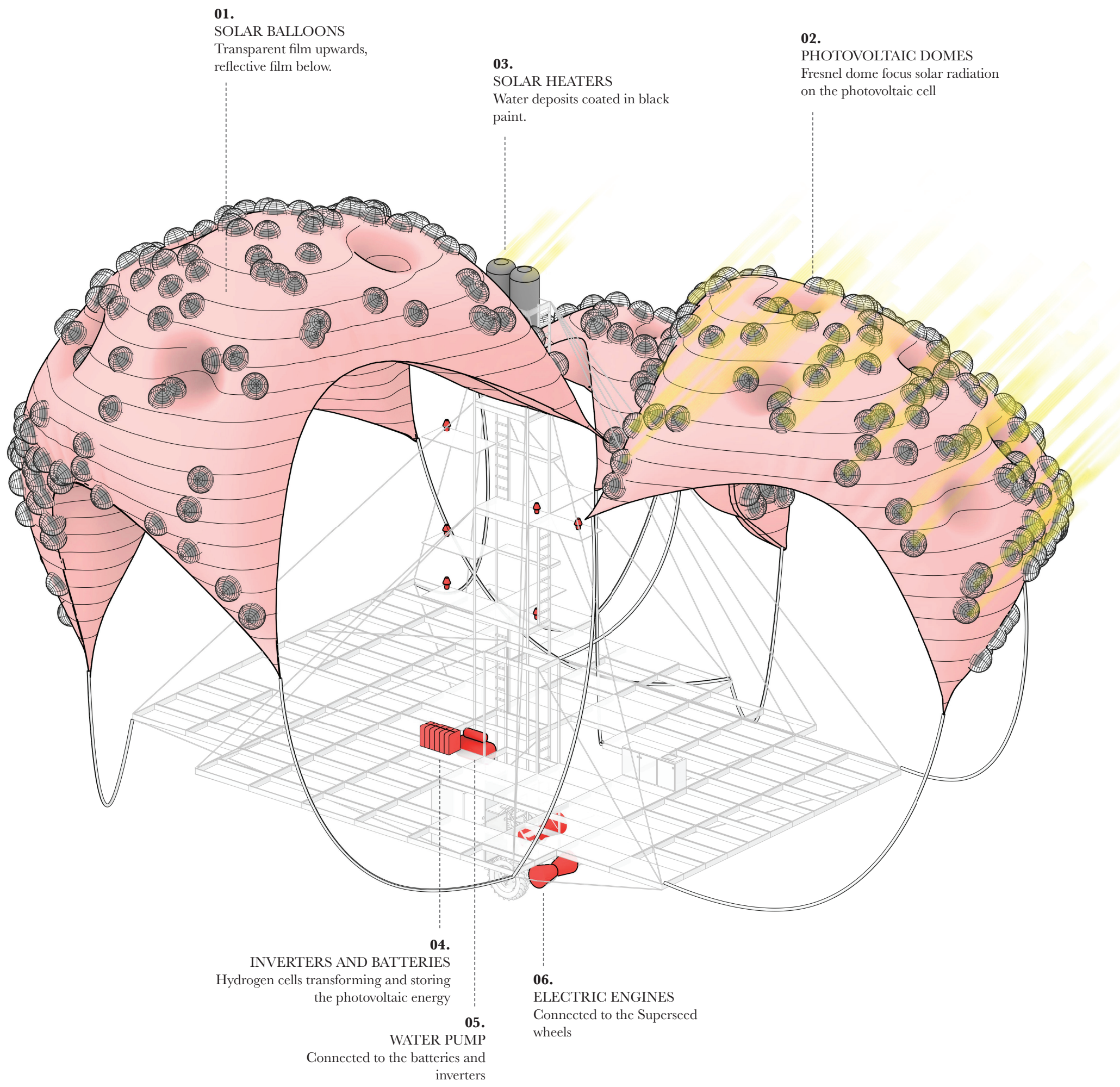


Food & Water



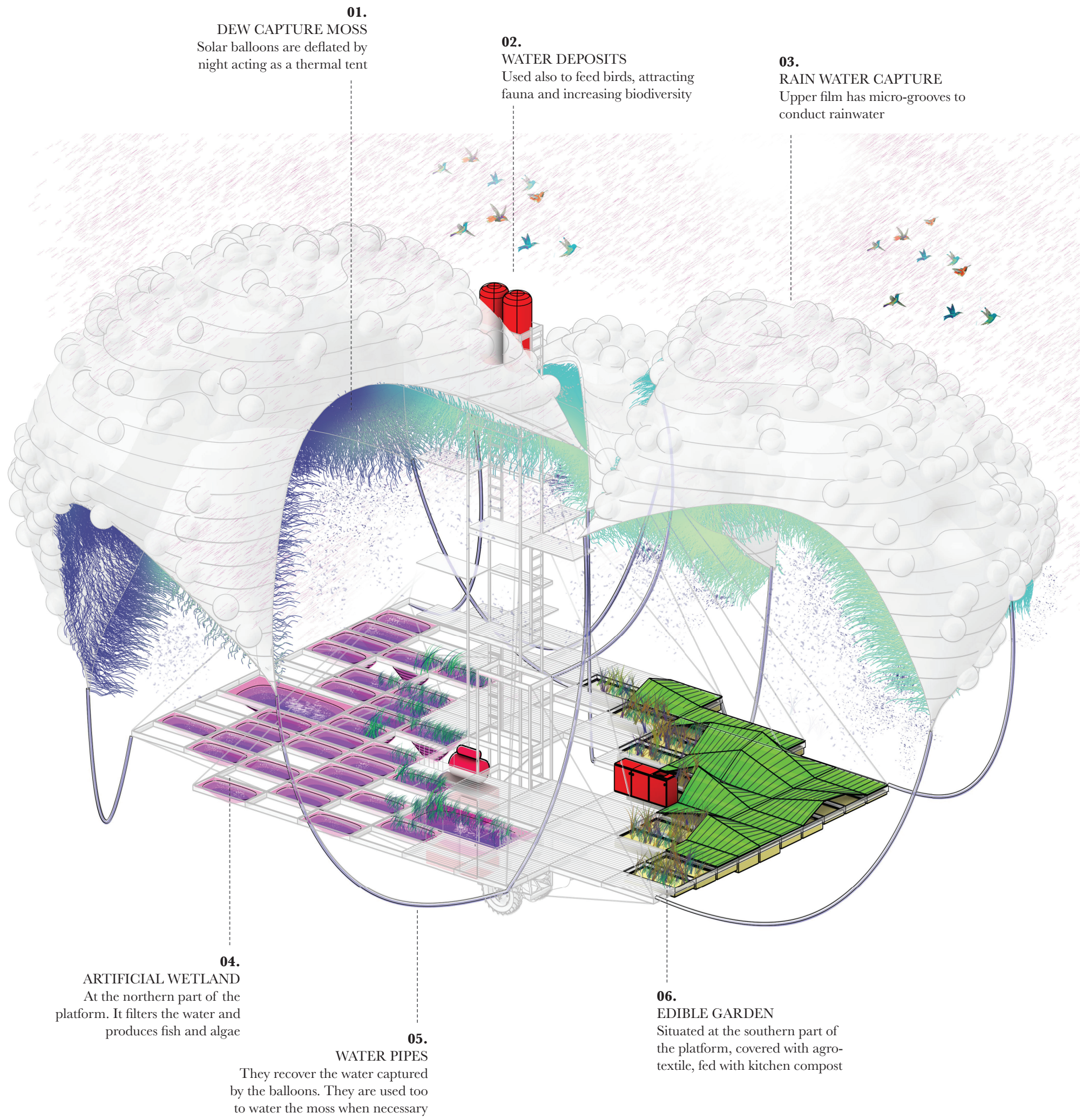
SHELTER

**Superseed is a living lab.** Researchers from all over the world might spend weeks studying circular processes for self-sufficient living. Additional capsules can be plugged in to accommodate new researchers. All domestic functions are served and solved within the central core: a vertical structure built out of recycled scaffolding components. Both kitchen and bathroom composts are used for the edible gardens. Thermal blankets are formed by the balloons when they deflate at night.



ENERGY

**Superseed is an autonomous solar machine.** A set of solar balloons gets inflated during the day. Sun heats the air and the balloons start to lift in the air. The upper skin of these balloons is covered with fresh microdome, generating photovoltaic energy. Energy that is stored in hydrogen cells, activating the water pump and powering the Superseed wheels. The prototype moves from time to time across the desert plain in search of a better place.



FOOD AND WATER

**Superseed is a living machine.** Water is filtered through an artificial wetland with hanging ponds. Water plants filter the water and sustain fish. Clean water and compost are used to water and feed crops, some of which are protected from the desert winds by agrotexile impregnated with moss and algae. They capture the desert dew when the balloons are deflated, producing a humid microclimate.