

# THE LOOP

- How pee & poo creates a Regeneration service station



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Regeneration service station*

From a distance, a pink colored wall meanders down to the natural pond. Fruit trees surround the organically shaped wall made of clay, sand and straw. People are harvesting in green-house roof-gardens, making food in the communal kitchen and enjoying showers in the bath house.

This is a temple dedicated to the loop of life, loop of liquids and nutritions, with the human at its centre.

## WHAT COMES FROM EARTH GOES BACK TO EARTH

With THE LOOP we make it visible how humans are a connected part of the ecosystem cycles, the loop of water and nutritions. In an ordinary city these flows are hidden in pipes underground and in sewage treatment plants way out in industrial suburbs. But THE LOOP is instead hallowing this flow as a sacred flow of life.

THE LOOP harvests natural water, cleans and filters it, before letting it refresh our human bodies. Water flows through the human body and our pee is used as nutrition for a hydroponic garden in a fantasy-like greenhouse. There it cycles a number of times before returning to nature and the ground beneath us.

Vegetables and fruit grow in our enriched soils and become food cooked and eaten in THE LOOP's communal kitchen. At the start of the loop the most important

part is located: toilets. Each toilet is a meditative space, with light streaming in from all latitudes from holes in the roof. Inside, the pee and poo is separated. The poo container is located underneath the toilet seat and acts as a dehydration chamber. The dehydration removes pathogens and after a few months it has become a dry compost that is taken to the flower and fruit tree garden to fertilize the soil.

## MATERIAL FROM THE SITE

When we build the wall we use clay, sand and straw, with frames and load-bearing studs of wood. Sand is 75% of the building mass and that can be taken from the site on Fly Ranch. We will harvest the invasive cheat-grass at the ranch as straw for the construction. Clay, more straw and wooden materials will be bought. Our ambition is to use wood according to the FSC-standard.

