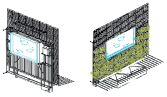


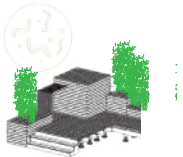
## Aquaponic facade



1

To produce food without wasting energy, we turned to an ancient technique: aquaponics. This method is based on the principle of mutualism that exists between plants, fish and bacteria. In other words, the fish work for the plants and the plants for the fish.

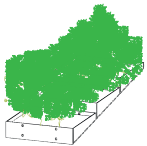
## Phyto-purification



2

Phytodepuration is a sober and beneficial solution for water depollution, inspired by ecosystems. It is based on the ability of selected plant species to take on pollutants. This technique makes it possible to purify the water used in domestic activities and to reuse the treated water.

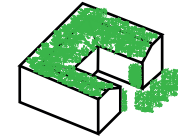
## Green roof



3

The plant species used are local and adapted to the heat, with low water requirements. The terraced roof allows the plants to grow on the terrace, optimising irrigation.

## Vegetated patio



4

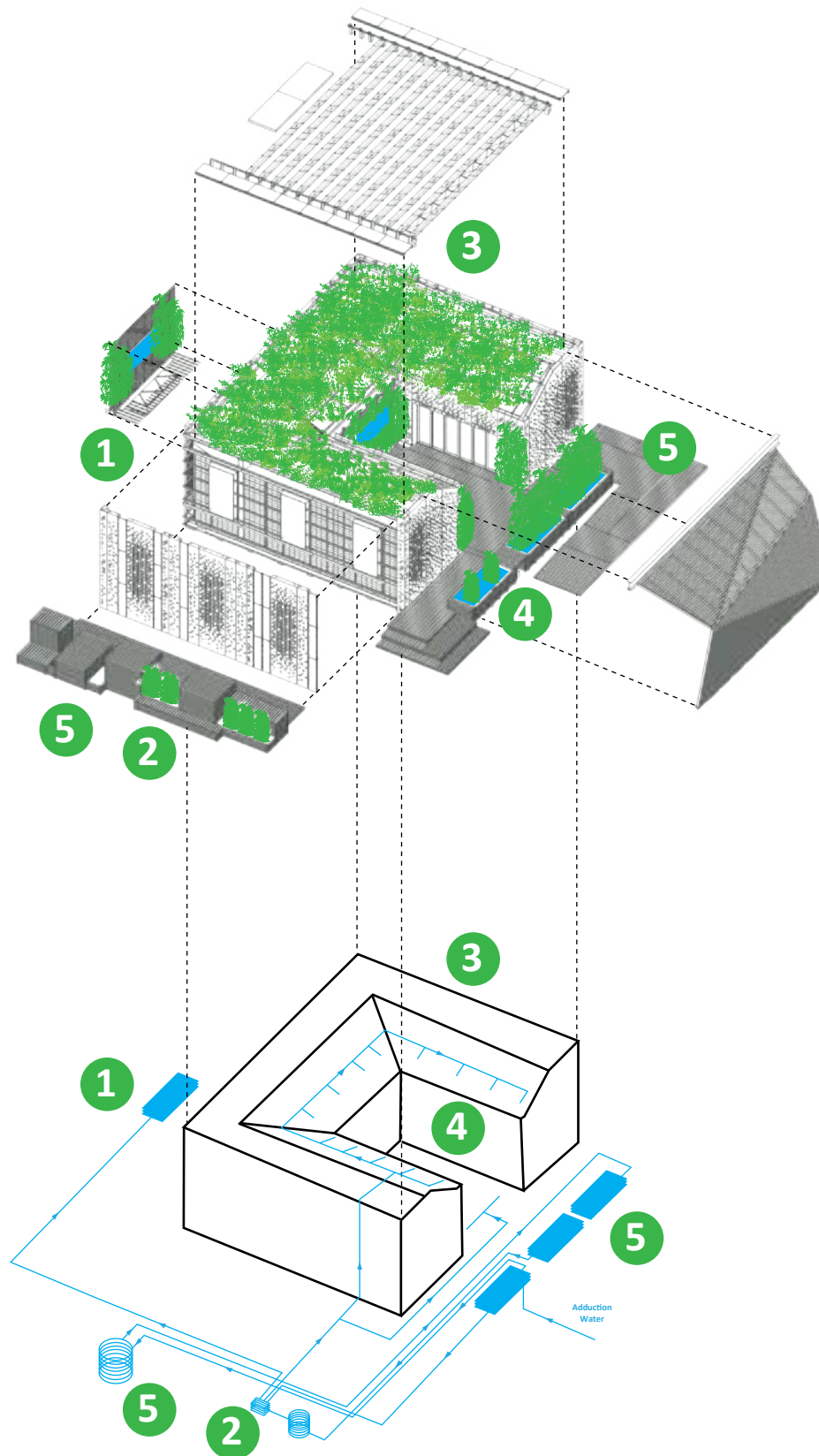
A real zone of coolness and calm, the planted patio invites you to contemplate the landscape through productive, purifying and aesthetic plant filters. The presence of plants makes it possible to limit the heat island effect. These places, veritable urban gardens, are designed to stimulate the senses. Contact with nature encourages cognitive functions by reducing fatigue and restoring attention span.

## Smart control Flowbox



5

Intelligent control and management of the water circuit, allowing water to circulate in a closed loop and be distributed for different uses: cleaning the solar panels, watering the patio and roof plants and occasionally filling the aquaponics system. This allows data to be fed back to optimise the water loop according to user behaviour, and also enables water leaks to be detected.



# Water loop by Arkiturria

