

Product Name

BROMELIA

Designer

DANIELE LAURIA

Company Name

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**Referring contact
for possible exposition in April**

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Description of innovation social values

- product category
- formal and functional features
- problems solved by innovation
- user
- field of application

The “Bromelia” project comes about from the **need to acquire and store rainwater for subsequent use**. It is the first design of its kind, and comprises a main body (column) and catchment tank at the top that reaches a diameter of around 9 metres and can be equipped with a **photovoltaic film**. The whole structure is reminiscent of a tropical plant – a bromelia – which stores the rainwater inside its hollow body.

The dimensions of the hydraulic components vary according to the rainfall rates in the geographical areas where they will be installed. In particular the water storage tank will have a proportional capacity to the number of “bromelias” installed. Moreover, the “plants” can also serve as **urban furniture** thanks to the possibility to add seats, waste baskets, lighting, wi-fi antennas and LED monitors to the bodies.

They can serve as a shelter from the sun or rain or as a stop for means of public transport.

Description of technical features

- operations
- technology

See above and look at images.

Dimensions

The column has a height of 3,20 meters and the catchment tank at the top reaches a diameter of around 9 metres. See images.

Materials

The structural part of the “bromelia” is made of steel while the facing and visible parts are made of painted sheet metal.

Certifications

The “bromelia” project is protected by a international patent.

Benefits for environment

The Bromelia save water because it acquires and stores rainwater for subsequent use. The bromelia does not consume energy, it takes solar energy for its use. It 's a project designed to geographic areas where there is not enough water availability or where it is necessary to save the cost of connection to the aqueduct or to the energy net.

Benefits for human being

The Bromelia integrates the use of urban furnitures with the save of water and energy; it's also a component for a contemporary and innovative landscape design.