



Technical Information

Client: Città di Lugano - DSU - Spazi Pubblici

Architect: Enrico Sassi

Date: 2017 - 2020

Photographer: Marcelo Villada Ortiz

The "Jardin Vertical" project, which is located underneath the Gandria's parking lot, is part of the riqualfication masterplan of the path "Sentiero dell'olivo".

The abandoned space underneath the parking lot had no particular qualities and it was used as deposit for excavation material. The path that runs next to the pillars of the parking lot was badly defined and overall bad looking. The project aim to riqualfify this space creating a vertical garden with different climbing plants. The plants will grow on a metallic structure made of steel beams and wires that is anchored to the parking pillars

The green surface has an average high of 5m, the whole vertical garden is 53m long, has a total surface area of 265m² and has 256 cables for a total length of 1280m

Coconut wires are added to the steel cables to ease the growth of the climbing plants and to give a more natural look to the structure.

Along the path a small Caprino stone wall (Moltrasio limestone) has been constructed.

The greenery project foresees the development of the different plant species over the years and the changes of colors and density over the seasons. At the end of the construction the vertical garden will be characterized just by the coconut wires.

The chosen plants are perennials. Each



span is characterized by a different plants compositions. Each composition is a mixture of evergreen and deciduous species in order to provide some green also in winter season.

The 8 compositions that make the "Jardin Vertical" are:

- 1 - *Passiflora Caerulea*, *Solanum Jasminoides*, *Trachelospermum Jasminoides*
- 2 - *Actinidia Kolomikta*, *Rosa canina*
- 3 - *Vitis Coignetiae*
- 4 - *Clematis*
- 5 - *Hedera Helix*, *Hedera Helix White wonder*
- 6 - *Plumbago Capensis*, *Bougainvillea*
- 7 - *Parthenocissus Tricuspidata*
- 8 - *Wisteria Sinensis*, *Jasminum Nudiflorum*

