

Rich Aired Serra

Rich Aired Serra (RAS) is a sculptural support for gardenig. Ispired to a Jimmie Durham sculpture and Richard Serra art's principles, the RAS is not a static sculpture. At first it is a semi-mobile device, second, it is for a variegated types of gardening or different uses. The basic structure is for sustain horizontal or vertical Substrates for greening. It could to be used in a domestic environment or in open air urban spaces. The concept desing of Supports and Substrates (structure and infrastructure) is the rappresentation of relationship between organism and environment as conditions for life. It reminds the semplicity and the complexity of life re-producing. Gardenig is not a decorative practice; It is an aesthetics practice of micro-environment production.

Substrate as a concept, Substrate as a praxis | Aesthetics micro-device for a contextual micro-environment

"Substrate definition: The surface or material on or from which an organism lives, grows, or obtains its nourishment (Oxford Dictionary)"

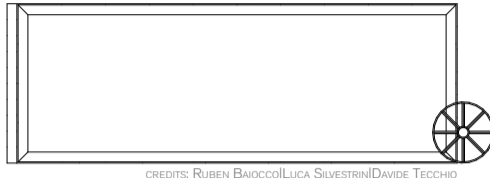
Substratum definition:

1. Something that is spread or laid under something else; a stratum or layer lying under another.
2. Something that underlies or serves as a basis or foundation.
3. Agriculture. the subsoil.
4. Biology. the base or material on which a nonmotile organism lives or grows.
5. Philosophy. substance, considered as that which supports accidents or attributes.
6. Photography. a layer of material placed directly on a film or plate as a foundation for the sensitive emulsion.
7. Historical Linguistics. a set of features of a language traceable to the influence of an earlier language that it has replaced, especially among a subjugated population

Hydroculture

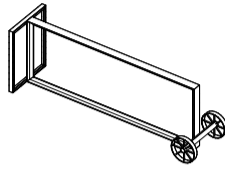
_Types: Aero Aquaponics Aquascaping Hydroponics passive
 _Subtypes: Aquatic garden Bottle garden Deep water culture Ebb and flow Fogponics Microponics Nutrient film technique Organic hydroponics Organopónicos Sub-irrigated planter
 _Substrates: Charcoal Coco peat Diatomaceous earth Expanded clay Gravel Growstones Lava rock Mineral wool Perlite Pumice Rice hulls Sand Vermiculite Wood fibre
 _Accessories: Grow light Hydroponic dosers Irrigation sprinkler Leaf sensor Net-pot Spray nozzle Timers Ultrasonic hydroponic fogger Water chiller
 _Related concepts: Algaculture Aquaculture of coral Aquaculture of sea sponges Controlled-environment agriculture Historical hydroculture Hydroponicum Paludarium Plant nutrition Plant propagation Rhizosphere Root rot Vertical farming Water aeration

BASIC STRUCTURE



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Basic Assonometric View

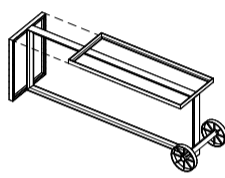


EXTENDIBLE HORIZONTAL INFRASTRUCTURE

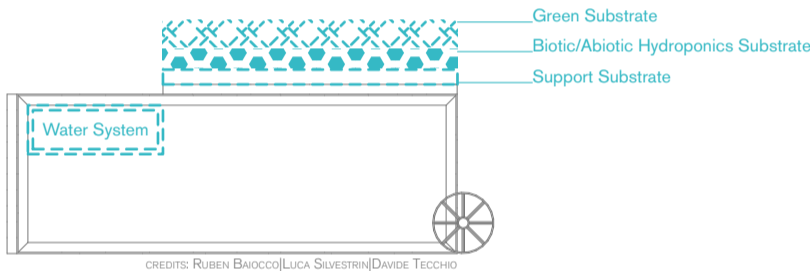


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Extension Assonometric View

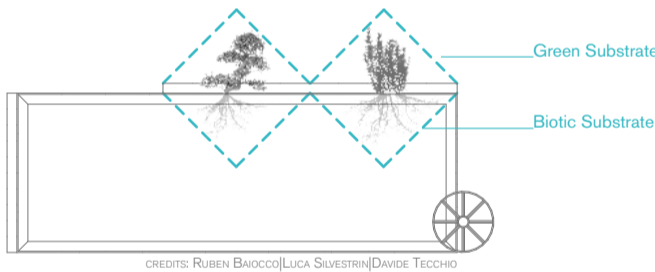


HORIZONTAL SUBSTRATES



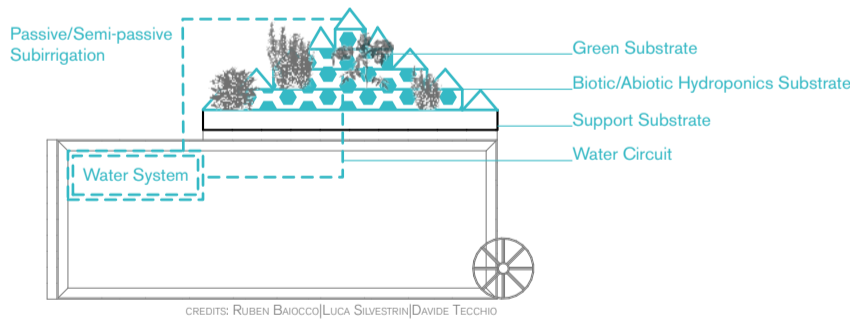
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VERTICAL SUBSTRATES



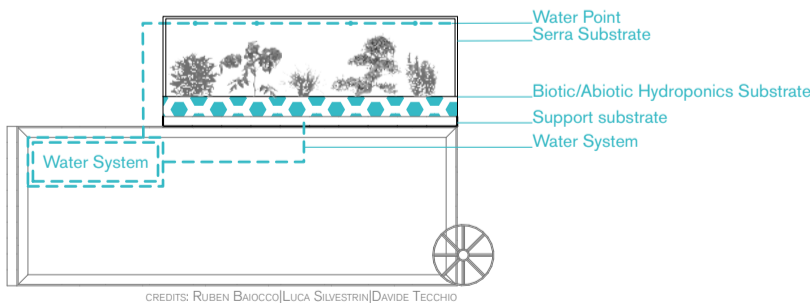
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ZIGURAT SYSTEM



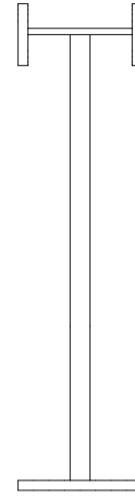
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GARDEN SERRA SYSTEM



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VERTICAL BASIC STRUCTURE



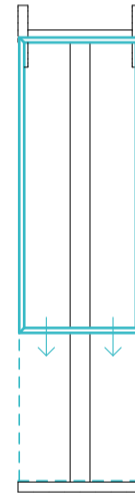
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VERTICAL SUPPORT SYSTEM



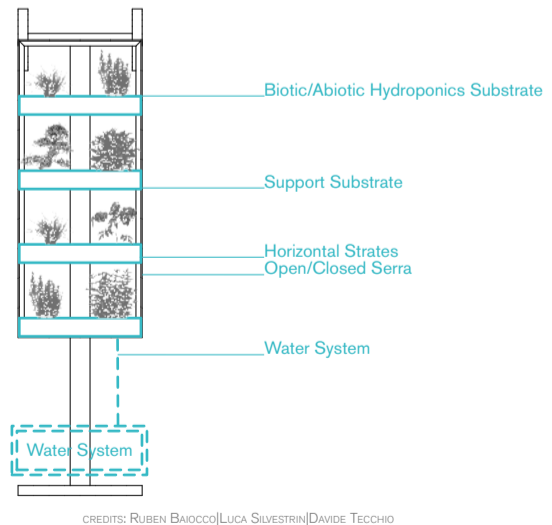
Removable Support

EXTENDIBLE VERTICAL INFRASTRUCTURE



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VERTICAL SERRA GARDEN



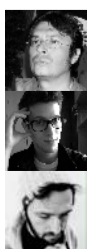
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Bios

Team for the project Rich Aired Serra:
 _Ruben Baiocco. Architect, professor and researcher at IUAV University of Venice.

_Luca Silvestrin. Architect, designer, graphic designer.

_Davide Tecchio. Architect, designer, graphic designer.



Contacts

baiocco@iuav.it
 +39 331 9061802

luca.silvestrin@gmail.com
 +39 347 3834728

techiodavide@gmail.com
 +39 348 5545325

The experience | Mescola Restaurant in Civitanova Marche (Italy)

The Rich Aired Serra project (RAS) was applied in order to create a restaurant dehor. The main function is to create a separation of the space that can always be moved or removed easily. It's a suspended micro-garden, slightly elevated from the floor, that separates and joins two different spaces. It could be a garden-table. It could be a cart.

It's a cultivable and movable space, that separates the hall while allowing the separated rooms to communicate. An outside eating space is the extreme exposition of this sharing cycle (and the bonds generated from production to transformation of the food, consumption and where it is consumed).

_Restaurant Mescola | by Massimo Garofoli, via Conchiglia 33, Civitanova Marche (Italy)