Singular Green

LIVING
WALLS

Majadahonda, Madrid, 2022

01

WHAT IS A LIVING WALL?

A living wall is a system that allows vegetation to be planted vertically and to develop properly, both outdoors and indoors.

The use of vertical gardens has multiple benefits, both economic, environmental and personal well-being, among which are energy savings, greater thermal and acoustic insulation, increased biodiversity and improved air quality.

Our living wall systems offer multiple possibilities for integrating vegetation: lightweight hydroponic systems, where irrigation is a fundamental part; or mixed and substrate systems, which are heavier but require less watering. In any of our systems, water consumption is optimized to be minimal and achieve the highest sustainability.

Energy
saving

Greater
thermal and acoustic
insulation

Extension of the
useful life of the façade

Vertical garden Office building Xátiva, Alicante

02

FEATURED PROJECTS

At SingularGreen, we are passionate about what we do and we are characterized by creating creative solutions for your project, integrating Architecture and Nature.

Our living walls are a great example of this, both from an ecological or landscaping perspective, as well as from an economic point of view, since our systems prolong the useful life of the facade and enhance energy savings in the building.

Canal de Isabel II, Madrid 2020

Spain's largest vertical garden

Vitoria Conference Center, 2014

VITORIA CONFERENCE CENTER

Location: Exterior facade of the Congress Palace

Vegetation area: 1.500 m²

System used: F+P Preplant (1.000 m²) and climbing plants (492 m²)

Species: 97% are native species of Alava, many of them endemic.

COLIVING SUITERS, ALICANTE

Location: Exterior facade

Vegetation area: 360 m²

System used: F+P

Species: Selection of native and low-maintenance species

Better
air quality

Increase in
biodiversity

Temperature
reduction

Fire
resistant barrier

FUNICULAR DE ARTXANDA, BILBAO

Location: Exterior façade of the Artxanda Funicular, Bilbao

Vegetation area: 170m²

System used: F+P

Species: A selection of highly resilient and adaptable outdoor species, suited to strong wind conditions.

CAP NEGRET HOTEL, ALTEA, ALICANTE

Location: Cap Negret Hotel, Altea, Alicante

Vegetation area: 250 m²

System used: F+P

Species: Selection of outdoor species resistant to marine saltpeter and humidity.

DON PANCHO HOTEL, BENIDORM, ALICANTE

Location: Facade of access to the Don Pancho hotel

Vegetation area: 50,5 m²

System used: F+P

Species: Selection of outdoor species resistant to low solar exposure of the place.

EL CORTE INGLÉS VALLADOLID

Location: Main facade

Vegetation area: 351 m²

System used: F+P

Species: Selection of outdoor species resistant to low solar exposure of the place.

Creative solutions

4 Living walls for residential building entrances, various locations, 2022-2023

BRAVO MURILLO PARK
MADRID

Location: Wall of the Canal de Isabel II reservoir

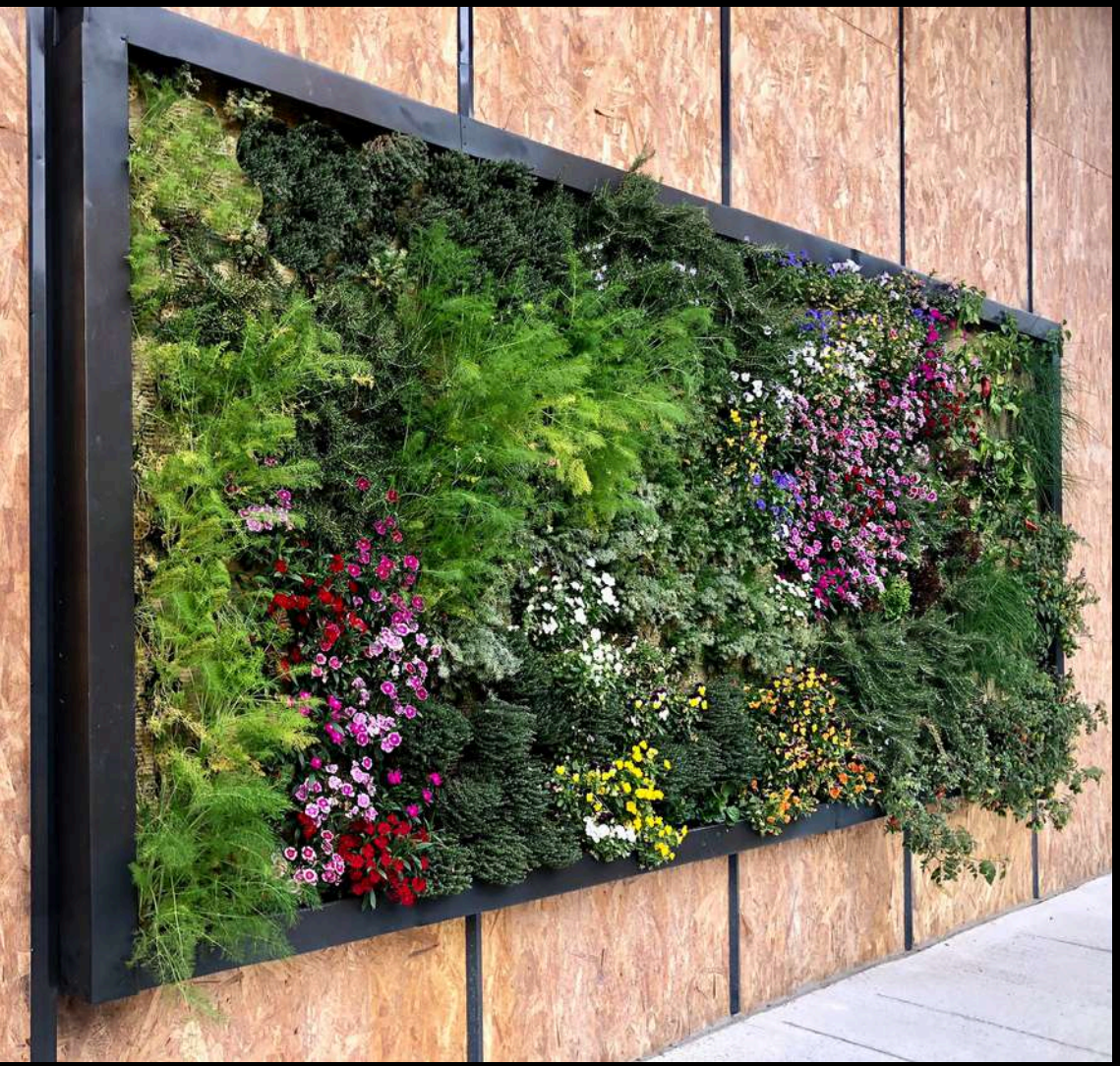
Vegetation area: 240 m²

System used: F+P

Species: Selection of outdoor species resistant to low solar exposure of the place.

Selection of fifteen outdoor species resistant to extreme climates.

Full execution



Centre for Innovation in Circular Economy (CIEC) Vilcálvaro (Madrid)

SANT CARLES SQUARE ONTINYENT, VALENCIA

Location: Facade in the Placeta de Sant Carles

Vegetation area: 121 m²

System used: F+P Mixto

Species: Selection of climate-resistant species with a wide chromatic variety as a design premise.

MATIMEX EXHIBITION HALL, ALMASSORA, CASTELLÓN

Location: Matimex exhibition hall interior

Vegetation area: 50 m²

System used: F+P

Species: Different indoor species with few fertilization requirements

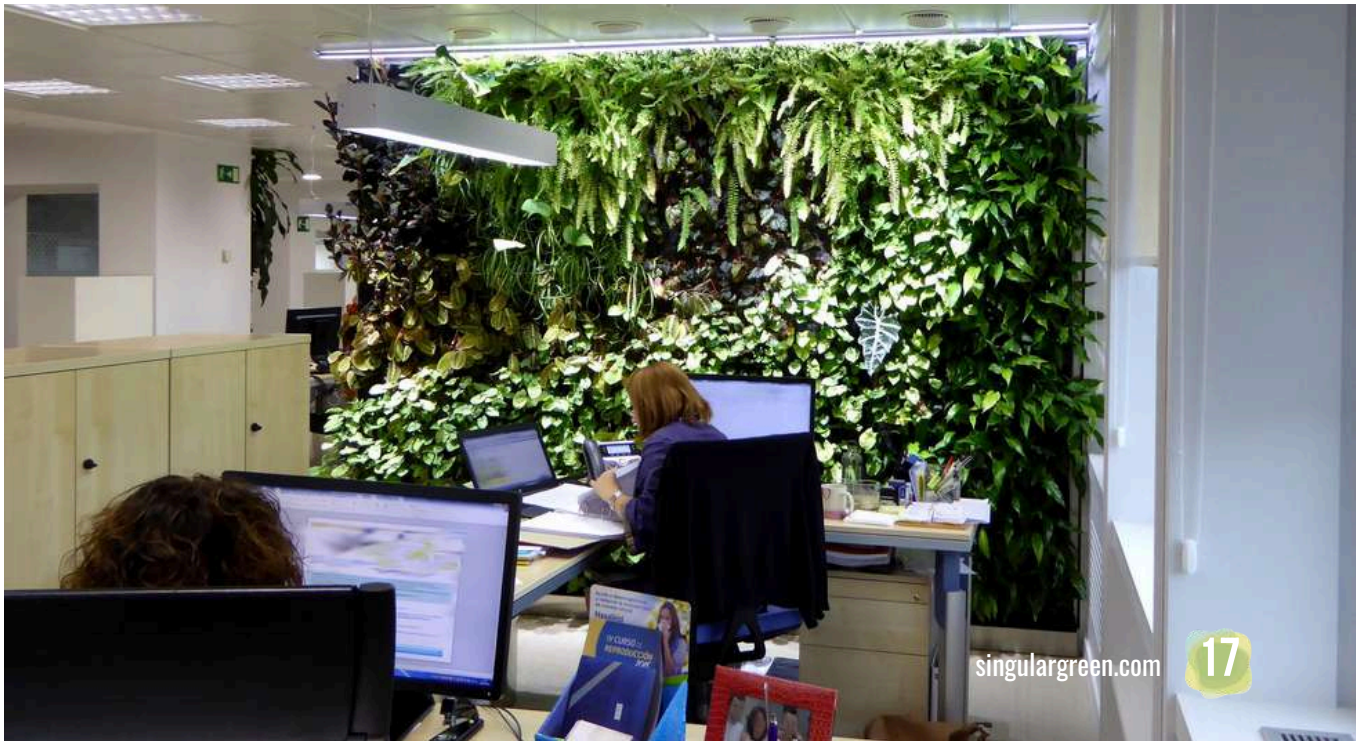
FERRING OFFICE, MADRID

Location: Office interiors

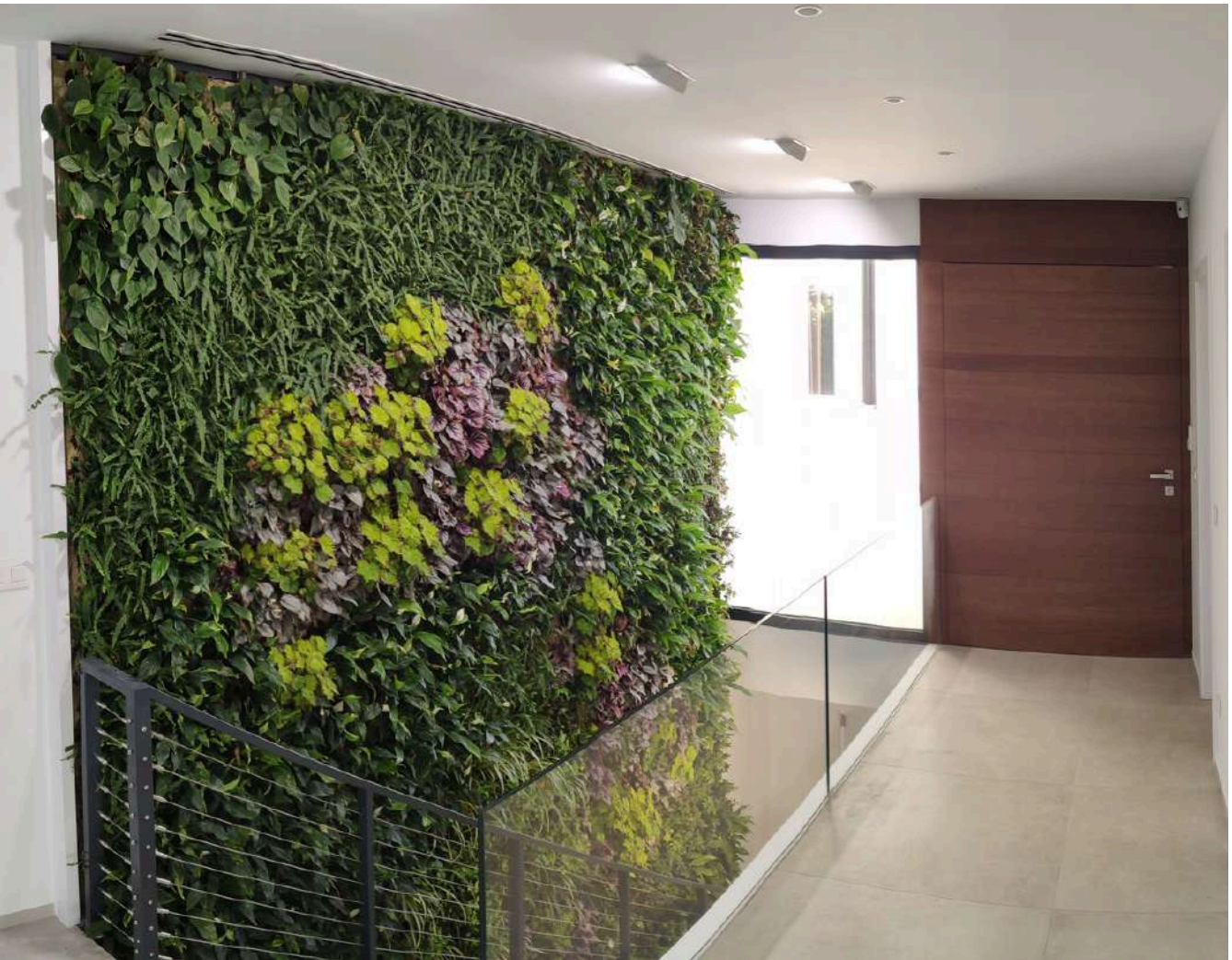
Vegetation area: 30 m²

System used: F+P

Species: Different indoor species with few fertilization requirements.



SINGLE FAMILY HOME
ALTEA, ALICANTE



Location: Interior wall of the house

Vegetation area: 29 m²

System used: F+P

Species: Selection of indoor species

NANDO'S PUTNEY KITCHEN, LONDRES

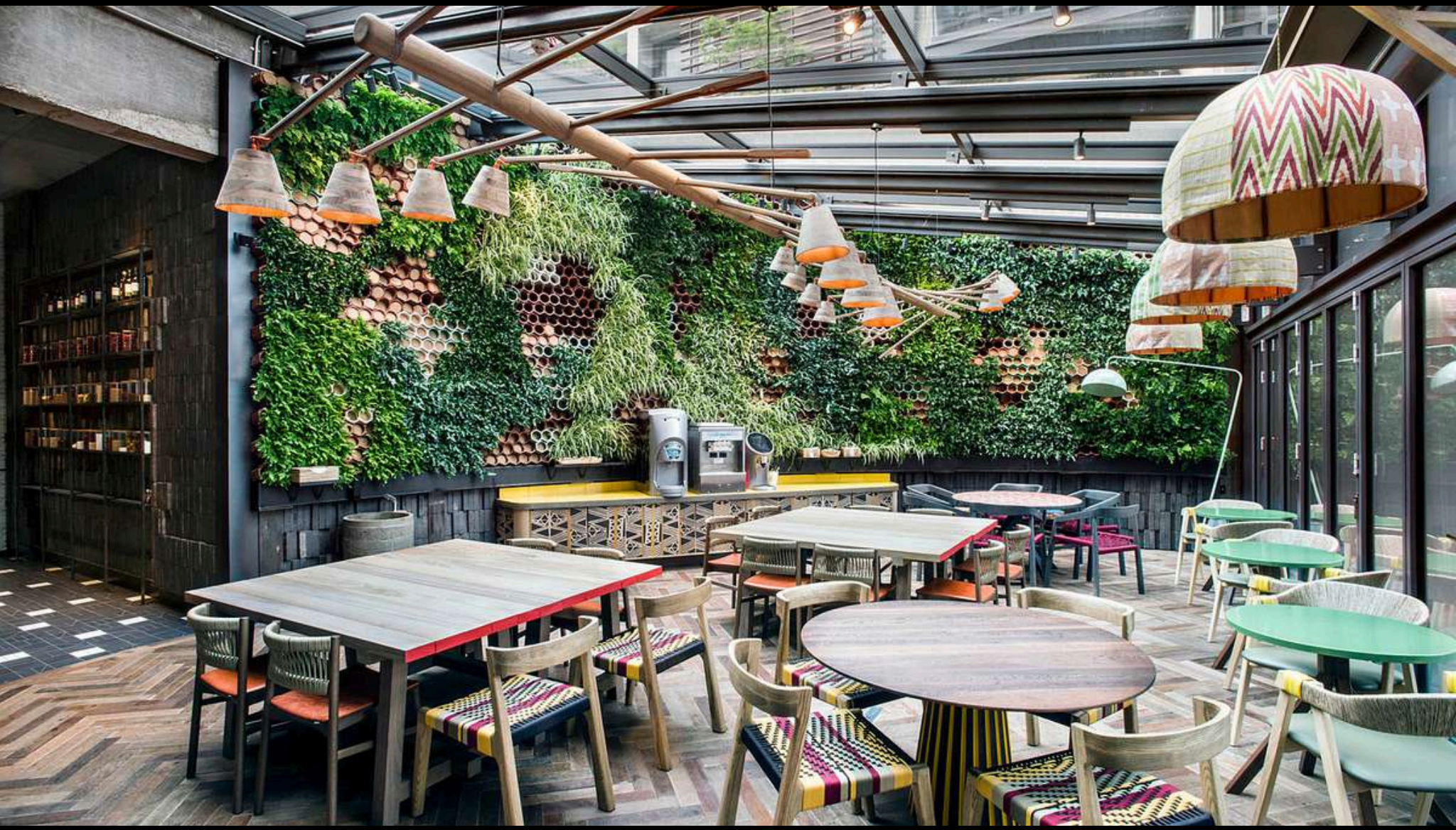
Location: Interior wall of Nando's Putney Kitchen

Vegetation area: 30 m²

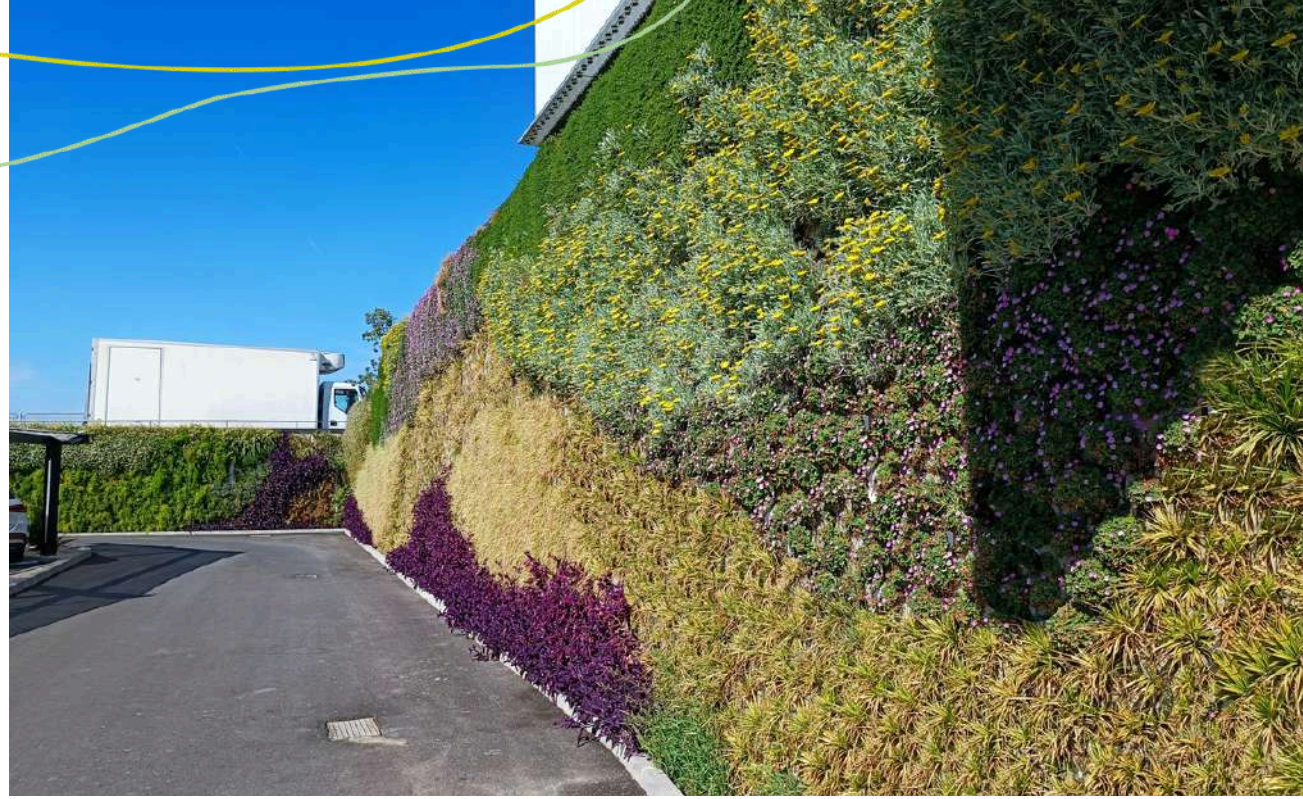
System used: EcoBin interior

Species: Different indoor species with few fertilization requirements.

Restaurant & Bar Design Awards 2015.



PARKING GRUPO ALACANT SAN VICENTE DEL RASPEIG



Location: Parking area of Grupo Alacant offices

Vegetation area: 185 m²

System used: F+P

Species: A selection of climate-resistant and native species with a wide range of colours as a design premise.

SINGULARGREEN ALICANTE

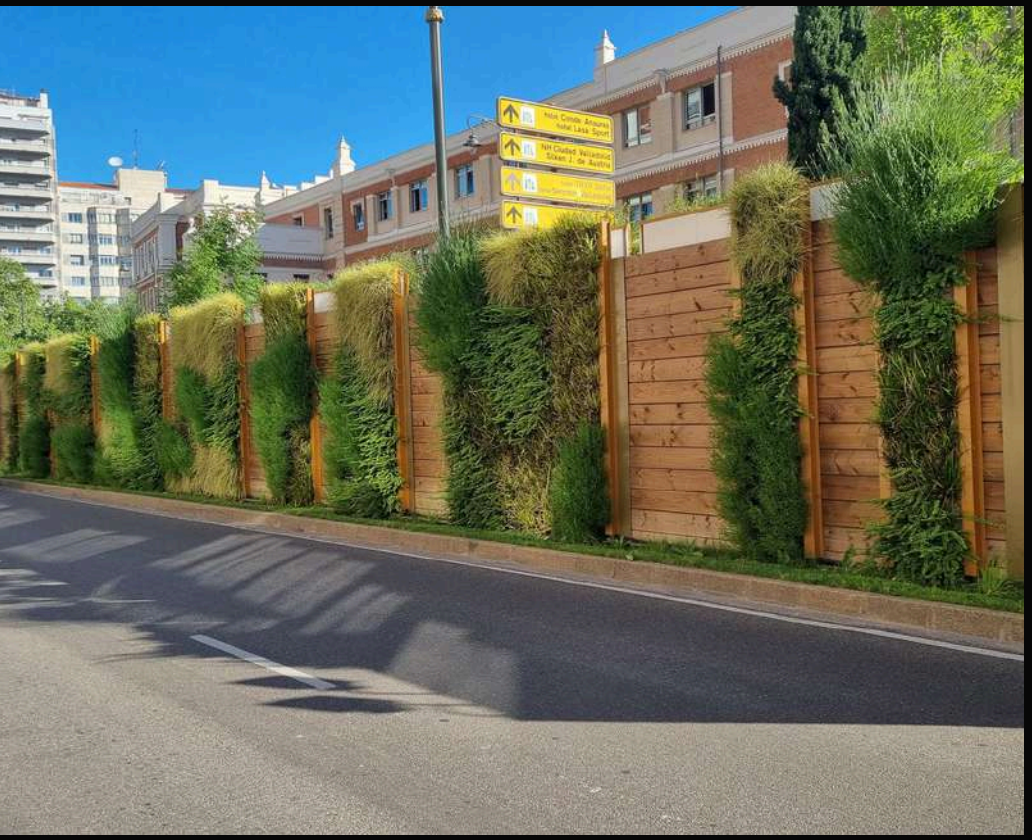
Location: SingularGreen office interior

Vegetation area: 25 m²

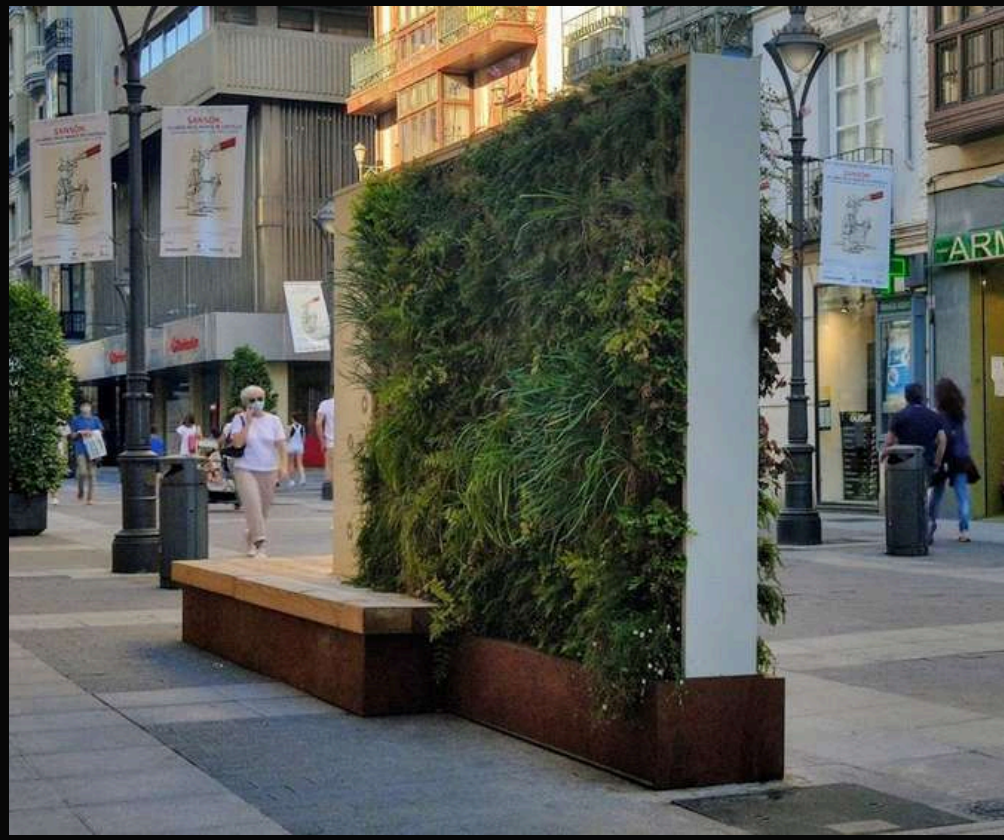
System used: SingularAir: F+P with air conditioning installation

Species: Different indoor species with few fertilization requirements.

Applications of living walls in unique projects



Barreras vegetales, Valladolid 2022



Urban BioFilter, Valladolid, 2020

03

SYSTEM TYPES SINGULARGREEN

F+P

Garden with hydroponic substrate, specially designed to retain water and withstand extreme temperatures. It stands out for its quick assembly, low weight, and ease of maintenance. Recommended for both outdoor and indoor use.

LEAFSKIN

Seeded garden that stands out for its easy installation, minimum thickness, and adaptation to walls with any geometry. It is the most economical system and is especially suitable for large garden areas

ECO BIN

It stands out for its unique design and finish. It is a wine rack panel with ceramic pieces that are intercalated and used as a means of planting the garden. Suitable for spaces where a ceramic finish is desired.

PRESERVED PLANT

These gardens integrate live vegetation that, through a treatment, maintains its natural appearance without the need for maintenance. They stand out for their design and naturalness. It is a system suitable for indoor spaces.

04

WATER CONSUMPTION OPTIMIZATION

One of the most important factors when designing a landscaping project is water management. Therefore, at SingularGreen, we search for the most suitable system in each case to reduce irrigation demand in our projects.

In addition, we have the latest technology in telecontrol systems to manage maintenance needs quickly and efficiently. Therefore, we monitor all our projects to fulfill our commitment that they always remain perfect.

Vertical Garden Azuqueca de Henares, 2017.

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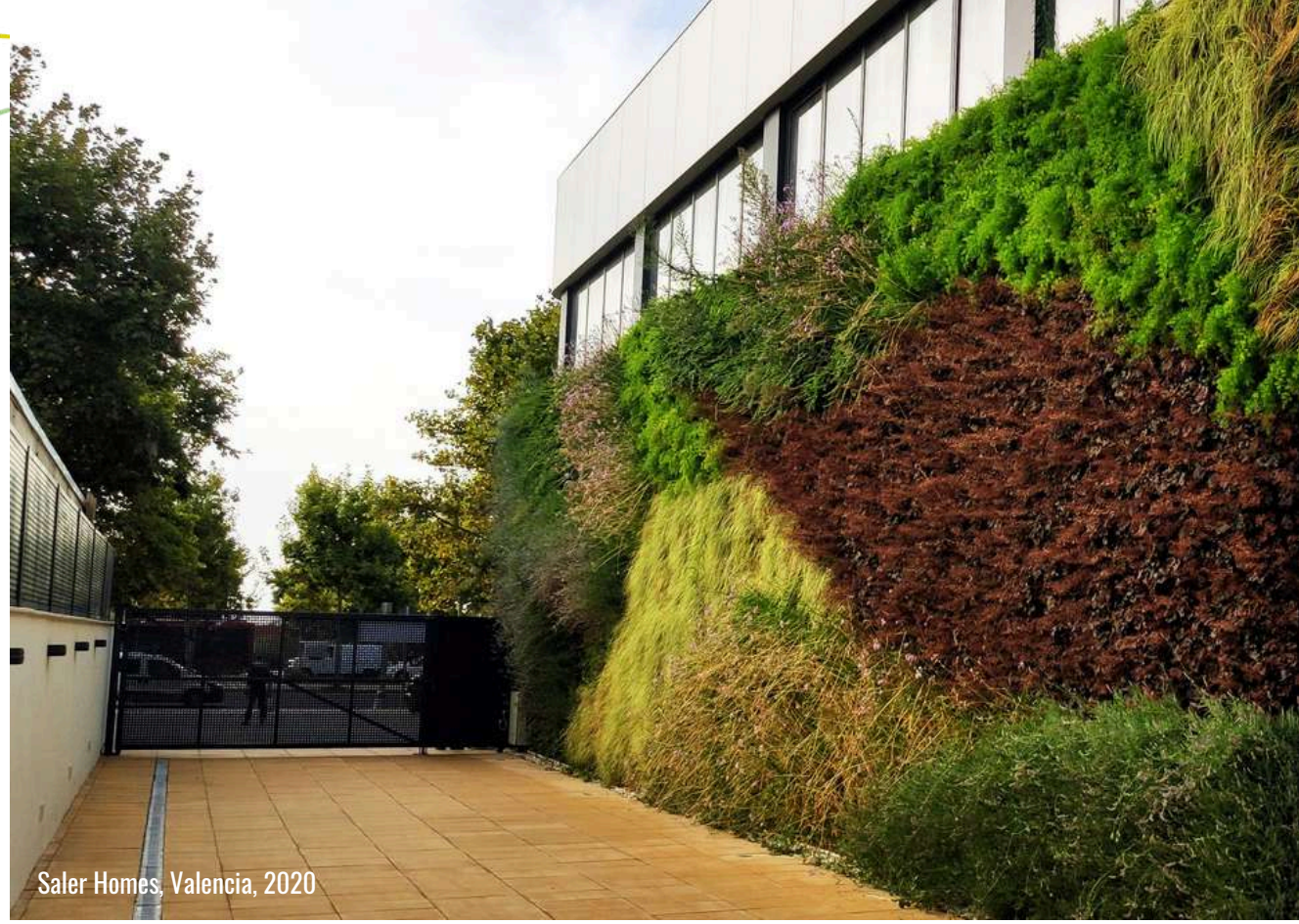
WARRANTY MAINTENANCE

The key to the success of projects that integrate nature and architecture is maintenance.

Therefore, at SingularGreen, we provide free support throughout the useful life of the project. Through our telecontrol system, we constantly monitor to detect all maintenance needs and ensure that it is always perfect, whether we are responsible for maintenance or an external company is in charge.

In addition, for the projects where we provide maintenance services, we offer a 100% plant guarantee.



Saler Homes, Valencia, 2020

Elda, Alicante, 2022

SingularGreen, Alicante 2024

07

WHO ARE WE?

En SingularGreen, we specialize in providing cities with green spaces through the **integration of Architecture and Nature**, improving the quality of life of the people who inhabit them.

Therefore, we not only design, but we take action, creating all kinds of unconventional landscaping projects.

Innovation is in our DNA, our R&D department has been conducting constant research for more than **15 years to develop our own technology**, adapting to each environment.

At SingularGreen, we are passionate about what we do and we are characterized by creating creative solutions for your project, offering comprehensive advice, execution, and maintenance of it, always adapting to your needs.

SingularGreen, Creative solutions based on Nature.

singulargreen.com

info@singulargreen.com
+34 966 282 640
+34 673 768 624

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PYME INNOVADORA