



# Greenwall

SUSTAINABLE  
LIVING SPACES

Greenwall is a vertical solution through a vegetation system. It offers a wide range of plant possibilities for both outdoor and indoor spaces.

Specific and selected substrates, the correct choice of plants according to geographic location, and proper maintenance allow our Greenwall solutions to adapt to all needs.

At Cinnia, together with our specialized partners, we advise, develop projects, install, and provide the most suitable maintenance in order to achieve more sustainable cities

# Benefits

- ✓ Regulating the temperature of the space.
- ✓ Purifying and reusing graywater.
- ✓ Improving air quality.
- ✓ Mitigating noise.
- ✓ Enhancing and protecting environments, spaces, and buildings.
- ✓ Integrating spaces into their surroundings.
- ✓ Beautifying the space.
- ✓ Embracing sustainable and renewable options.

# Characteristics

- ✓ Immediate coverage upon installation
- ✓ Plug and Play system: Easy installation
- ✓ System durability: Stainless steel
- ✓ High plant density: 30 per m<sup>2</sup>

## 4 stages to achieve a perfect green facade



### Design and Technical Study

A green wall is a composition made from a selection of perennial plants and small shrubs suitable for vertical development. Whether it is new construction or renovation, it is essential to conduct a study to determine the technical solution that best fits the space and the expectations of the developer.



### The Cultivation

Greenhouse pre-cultivation. A minimum period of 4 months of cultivation in a greenhouse ensures a good rooting of the plants on the modules of the wall or facade. This stage ensures a fully vegetated wall upon installation.



### Installation and Irrigation

Application of the irrigation protocol. The installation of a green wall requires an operating mode often unknown to other professions, which are not familiar of working with living material and its associated inconveniences. Preserving the plants requires, from the delivery of the work, the application of an irrigation protocol: installation of an automatic irrigation system with adjustments suitable for each season of the year



### Monitoring and Maintenance

The irrigation system is a vital element of the wall: its management and supervision ensure the beauty of the vegetative tapestry and optimize water consumption. To keep a green wall in good condition over time, it is also necessary to carry out monthly maintenance of the plants, the structure, the irrigation system, and the technical installations.



aurora

### Aurora Technology

A set of sensors allows continuous capture of climatic data from the Greenroof and its surroundings. The data, available through Aurora, enables monitoring of plant development, irrigation systems, and much more.

