



SUDS

SUSTAINABLE URBAN DRAINAGE SYSTEMS

Cinnia's Urban Innovation department develops Sustainable Urban Drainage Systems (SUDS) that offer solutions for efficient water management and the creation of sustainable spaces, in collaboration with engineers, architects, and landscapers.

SUDS create vegetated public spaces that are self-managing, sustainable, and contribute to climate change mitigation and the fight against water stress through proper water management, reducing floods, and improving urban water quality. We offer personalized solutions and work closely with our clients from design to implementation to ensure successful results and functional and attractive public spaces.





Benefits

- ✓ **Urban Environment Enhancement:** Green areas and landscapes in urban zones beautify the city and create attractive and healthy public spaces.
- ✓ **Water Efficiency:** Captures, filters, and stores rainwater efficiently, relieving the burden on traditional drainage systems and preventing overloads on sewer networks.
- ✓ **Flood Prevention:** Retains and absorbs rainwater, preventing floods and protecting properties and communities from heavy rainfall.
- ✓ **Cost Savings:** Reduces the need for costly infrastructure, resulting in long-term savings for administrations and property owners.
- ✓ **Water Quality Improvement:** Filters and treats rainwater, reducing contaminants and sediments in bodies of water, preserving water quality and aquatic ecosystems.
- ✓ **Environmental Sustainability:** Promotes sustainability by efficiently using natural resources, reducing reliance on external water sources, and conserving water resources.
- ✓ **Biodiversity:** Promotes green areas and natural habitats, supporting biodiversity and species conservation, enriching the urban environment.
- ✓ **Property Value:** Increases property value by creating attractive and sustainable environments, benefiting both property owners and the community at large.
- ✓ **Community Engagement:** Involves the community in water management and conservation, promoting environmental education and strengthening community cohesion.



A Solid, Robust, and Easily Maintained System

Notable Advantages:

- Easy modular construction with excellent structural strength.
- Robust design with a complete system inspection.
- Cost and space optimization by stacking components.
- Quick assembly that reduces overall construction costs.

Installation

