



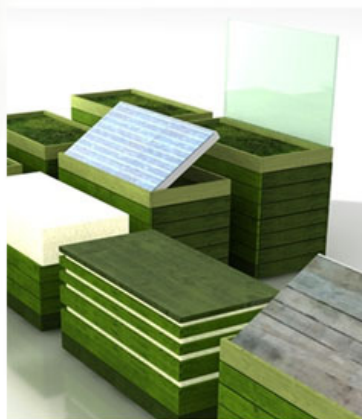
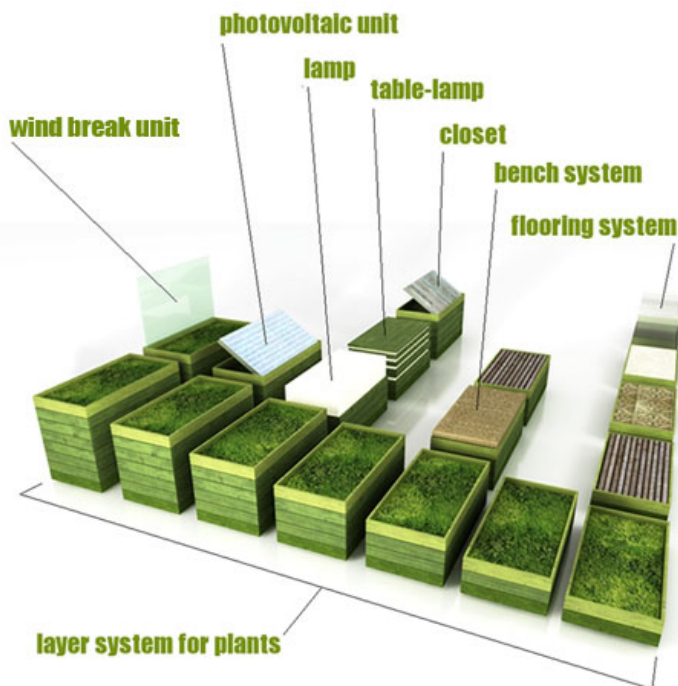
green up

rooftops



outdoor wooden unit for greening rooftop terraces
modular, versatile, energy saving and cooling system

GREEN UP ROOFTOP SYSTEM

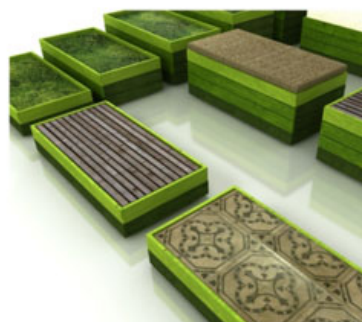


Depending on the different number of layers the unit can have different functions: planting (grass, endemic ornamental plants, shrubs, trees) ; walking (wooden boards or any other materials), energy production (photovoltaic panels), lighting.

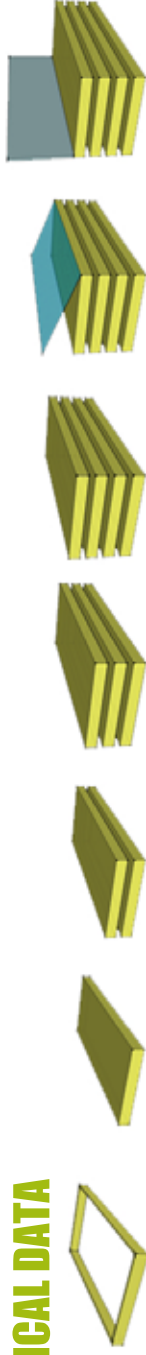
Green up system is installed on a technical package composed of a double layered waterproofing membrane, a drainage, an integrated irrigation system and a substrate of aggregate.

Green up it's a viable solution to green existing structures and building thanks to its modularity which allows a substantial freedom on composing peculiar solutions and landscaping the garden despite the need to reduce the structural weight.

Green up is an effective way to reduce the energy demand of buildings, to improve air quality and biodiversity in urban contexts.



TECHNICAL DATA



layers	0	1	2	3	4	E	W
function	unit 120x60 cm	paving	ornamental	horticulture	trees	energy production	wind break
material	recycled wood	aggregate recycled wood boards teak wood boards lawn	herbaceous perennials + growing media	vegetables + growing media	trees +growing media	PV cell integrated	climber + growing media
weight *	11 kg/module	aggregate: 57 kg recycled wood: 21 kg teak wood: 21 kg lawn: 24 kg	45 kg	70 kg	95 kg	25 kg	75 kg
cost**	€ 10	aggregate: € 15 recycled wood: € 20 teak wood: € 53 lawn: € 22	€ 54	€ 71	€ 89	€ 120	€ 76

* weights and costs are meant per module (kg/module and €/module)

** the specified costs per unit are indicative and should not be taken by any mean as a final offer for the installation

MAIN PRIVATE BENEFITS

- building amenity value
- hedonistic value of the building
- energy saving
- longer roofing membrane lifespan
- noise insulation
- food production

MAIN COLLECTIVE BENEFITS

- urban heat island effect mitigation
- improved air quality
- reduction of greenhouse gas emissions
- decrease stormwater runoff
- improved urban biodiversity
- improved urban landscape

Green Up Rooftop is a design by **Avatar Architettura** and **Studio Azue**

contact: greenuproof@gmail.com **web:** www.avatar-architettura.it www.studioazue.eu