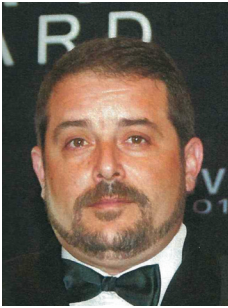


Company: ECOPAINT ANGOLA

Project: OctoBuilding



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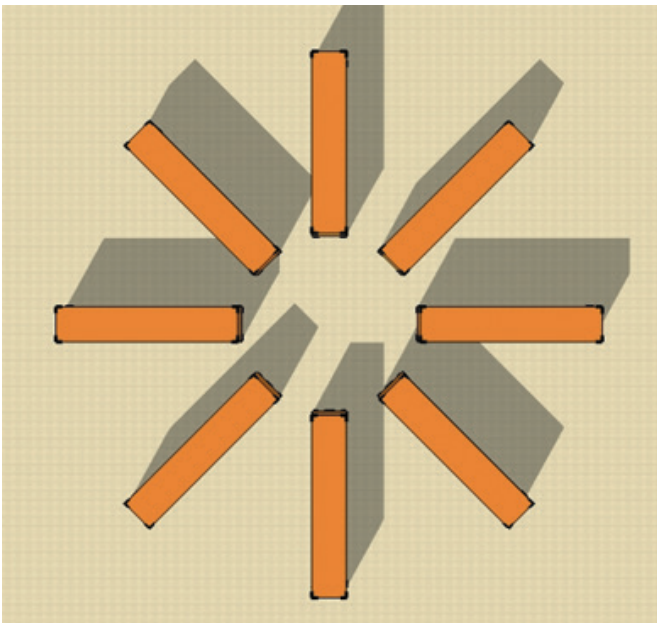
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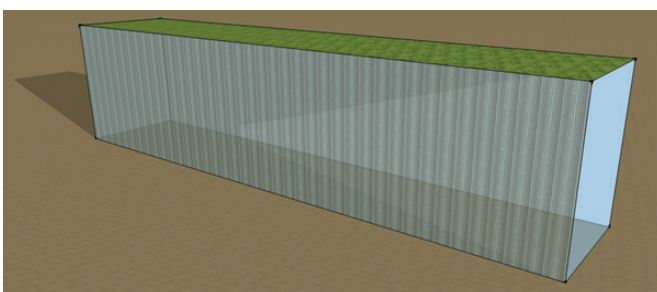
Website: www.ecopaint-angola.com

The need for rapid and cheaper building, for rational use of materials and their recycling, and for rational use of energy and water, together with the expected decrease on imports and materials global circulation, due to auto-sufficiency and autonomy general principles, leads ECOPAINT ANGOLA to create a concept of cargo containers recycling in construction of buildings, with the name of OctoBuilding.

This concept is based on logic modular grouping of standard 40 feet containers, oriented 45 degrees between each other, 8 axels total, achieving equilibrium and symmetry.

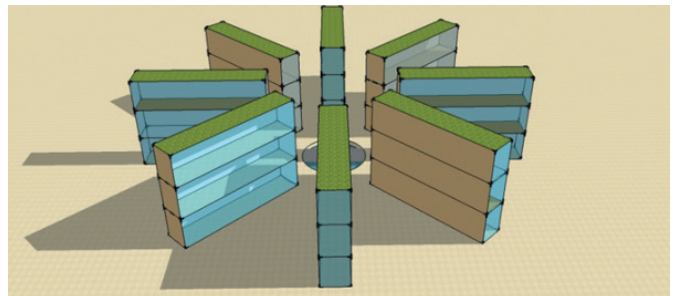


Each external element is covered with different materials, depending on its solar orientation. East and West orientations will have glass, South orientation maximizes solar energy capture through solar panels, and North is covered with ecologic insulation – cork. Rooftop gets protected with grass, abling water capture and filtration.

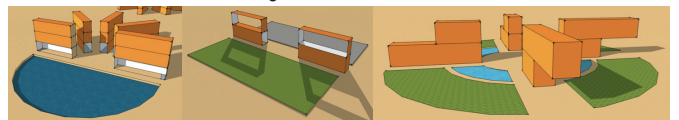


Materials being used have environment concerns. The metal from the containers is recycled using it on the same main purpose: structure and surfasse convering. The outsider elements are covered with recicled glass, solar panels, insulation made of cork matrix, and natural grass on rooftops.

As a modular and dynamic construction, it can be adapted to diferente locations and solar orientations, as it differs from region to region. The main concept establishes 3 containers in height, 24 total, representing an average of 72 persons by block. For low solar profile regions, and in order to maximize solar energy capture on surfaces covered with solar panels, the block facing the sun can have only one floor, in the middle two, and on the back can have tree.



In terms of variations, comercial, service and recreational buildings can be designed, taking the main concept by reference, and adapting the modules and its surroundings. Private households can also be created.



The multiplication factor of OctoBuilding can be established on One building code, on One City Masterplan, where rational infrastrucutres and costs can be planned.

The One way construction, based on OctoBuilding, is the Solution.

