

WHFRF?

Angra do Heroísmo is a city in Terceira Island, Azores, Portugal.

The city has a considerable disaster risk due to its seismic and volcanic activity.

WHY HERE?

In 1980, an earthquake with a magnitude of 6.9 in the Richter scale caused 60 deaths and the destruction of 1800 among the 6711 of the city's buildings.
The reconstruction works preserved the architectural characteristics and values,

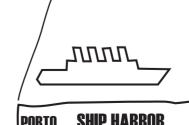
leading UNESCO to consider the city as world heritage of humanity.



ANGRA'S

POPULATION 37000

150 INHAB/KM2



PORTO _ SHIP HARBOR











WHAT?

CONSCIOUSNESS

Home production

VEGETABLE GARDENS Community

NDUSTRIAL

The activities of Anara's population are considerably associated to

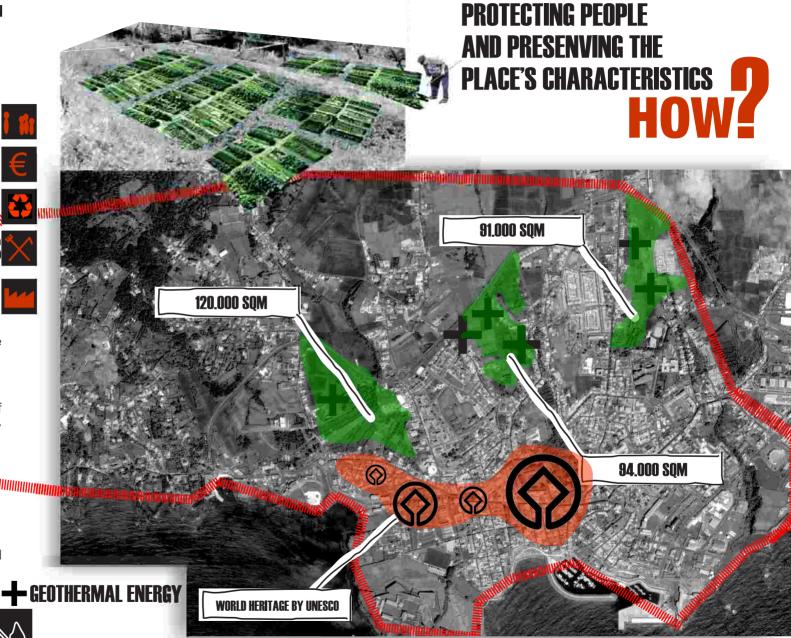
agriculture, cattle rising and

tourism. It is typical the presence of vegetable-gardens in the houses' yards, and people use to garden it in order to raise the household ecomy and overcome some difficulties in anding some products, due to the insular location.

The city is rich in local traditions, such as pottery and woodwork, and the Terceira Island has good ceramic and wood resources. The island has also

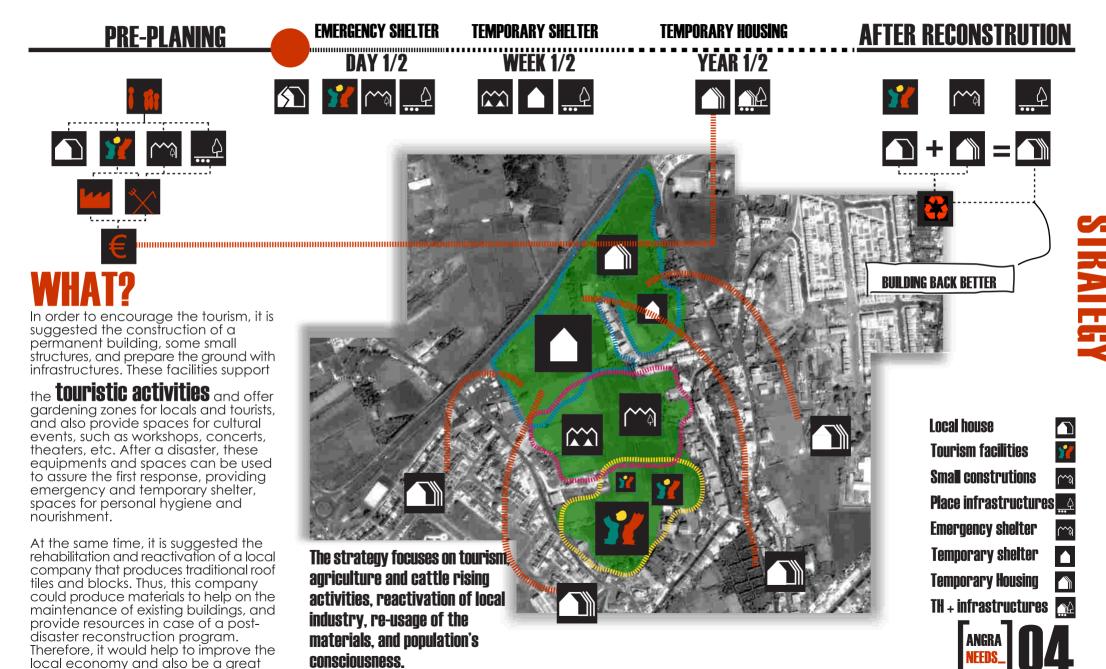
great conditions to **explore**

geothermal energy.





space for touristic visiting.



PRE-PLANING

In the meanwhile, temporary houses can be erected in the sites already prepared with infrastructures and near

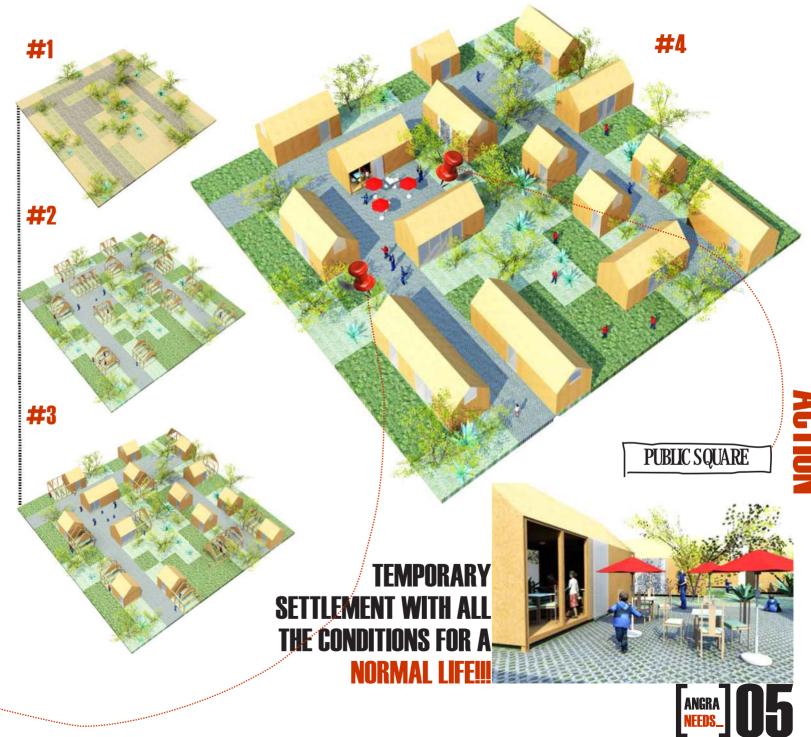
the **Vegetable-gardens.** Thus, the strategy suggests the creation of spaces that offer public spaces and facilities to improve the city's quality of life during 'piece time', but which have all the conditions to be used during emergency situations.

Thus, the victims can grow fresh produce as in their houses before the disaster. These temporary settlements are provided with streets, public spaces such as small squares, and some public services like supermarkets, groceries,

etc. Therefore, even in a temporary location, people can gradually return to their daily life.

After the reconstruction period, the temporary units are removed and the area returns to its previous usage, agriculture and tourism activities.





HOW IT'S DONE?

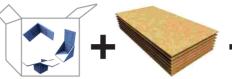
The units are built with **national**

materials that are easy to obtain and transport, economic, and recyclable or reusable. A timber structure based on small, light and easy to assemble elements is covered with OSB panels, a

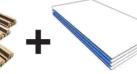
sustainable material made by

Wood Waste. The windows are built with polycarbonate, a great alternative to glass due to its lightweight and impact resistance.

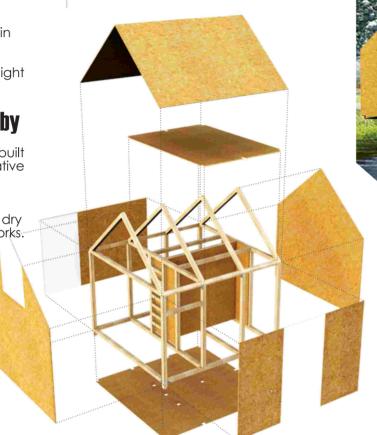
All elements are connected with standardized steel pieces through dry joints to simplify the disassemble works.







WHAT WE NEED









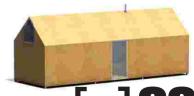














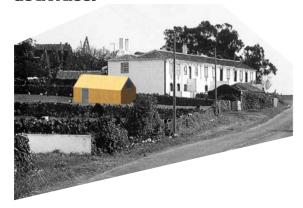
THE SOLUTION...

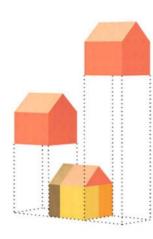
The temporary unit is based in two modules.

The First module provides the minimum conditions to guarantee space for personal hygiene, cooking and resting.

The Second module is multifunctional and can be used for several activities (bedroom, living room, etc.). The flexibility of this solution allows the progressive growing of the accommodation according to the families' possibilities, needs and expectations.

After their intended period of use, the temporary units can be placed next to the rebuilt houses and reused as extensions or spaces to support the gardening activities.





PROGRESSIVE GROWING !!!















