POLITECNICO
DI TORINO

Honors thesis

COURSEOF

ARCHITETTURA PER IL PROGETTO SOSTENIBILE

Abstract

RePlay_ ReInventing, ReUse, ReCycle

Tutor

Armando Baietto

by

Marika Provizano

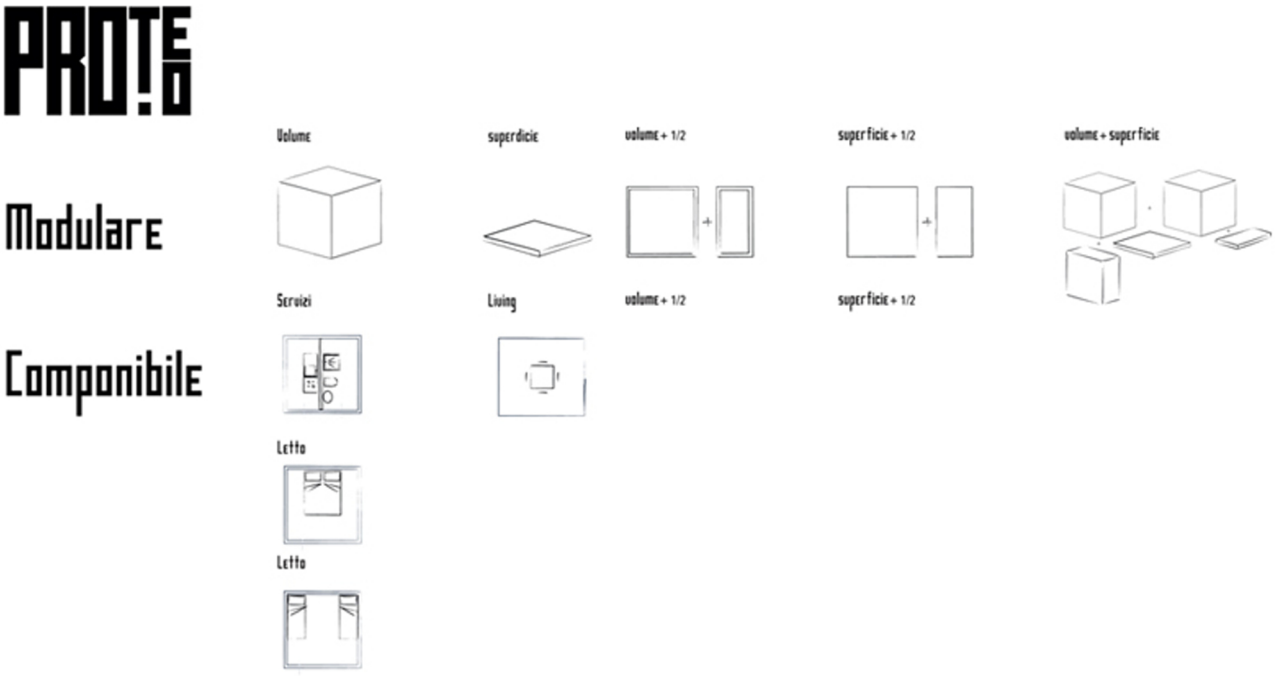
Sara Maria Rosato

July 2015

Our thesis project was created by 'observation and recognition of contemporary practices of contemporary living the city and its spaces, the new housing needs, the needs expressed by the language of the spontaneous and unconventional for a different answer to the request for new ways of living.

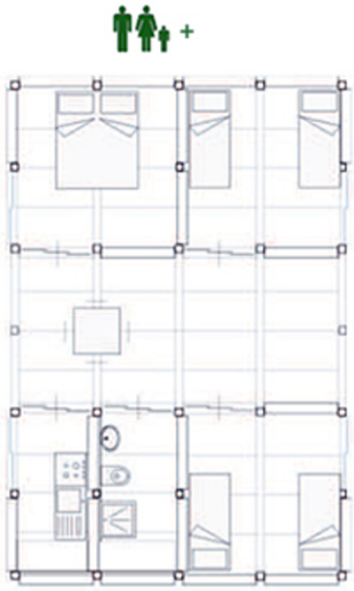
The project PRO.teo addresses the need to equip the new categories of people, with adequate housing and economic, with comfortable spaces and with an architectural identity. All this comes from the concept of transportable home, assembled with great simplicity, composed of modules, flexible and dynamic in which spaces can be transformed according to the needs of the family. This can give an answer to the many needs of contemporary, from emergency housing, shelter for the homeless, IM-migrated.

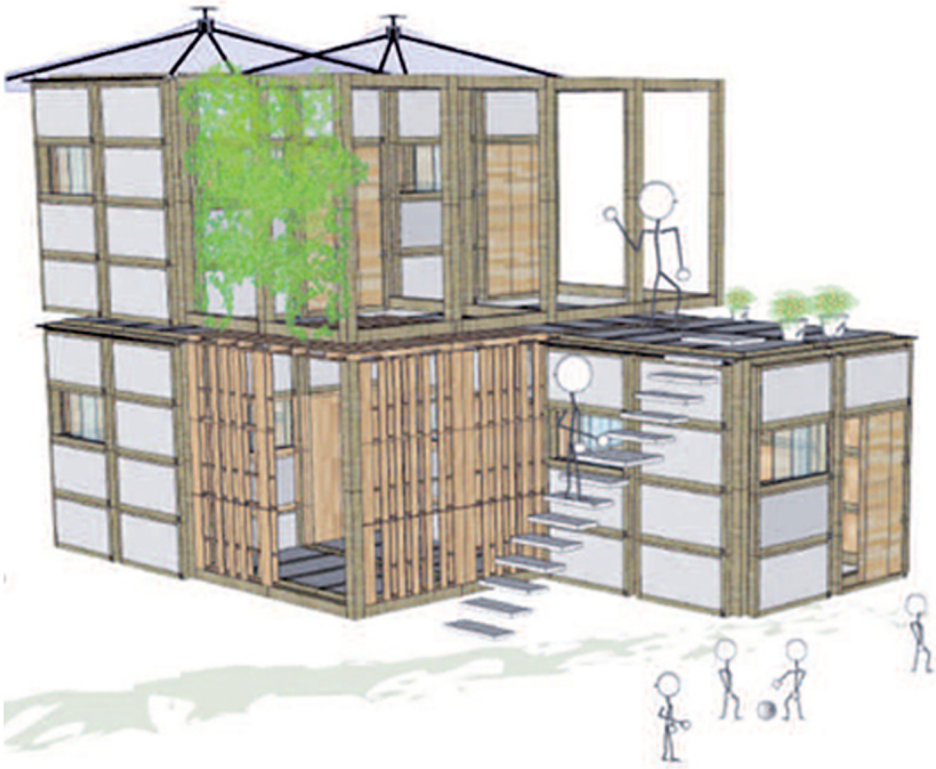
PRO.teo is a living unit 3x3 m, which is only one room in the house. Each module will be caretterizzato by a different function (services, bed, living), so as to permet-tere the free composition more modules together, according to the needs and the number of users, customizable according to the language of the spontaneous.



The modules, divided into 4 types , accommodate different functions and can be assembled in various ways depending on the needs and the number of users. The service module houses the bathroom and kitchen to help you arrange the plants and allow more freedom to the other elements. The living module will have the function of connection between the various modules. The assembly leaves room , on choice, spontaneous architecture with regard to the infill. Using recycled materials such as pallets, boxes, fruit ,

bamboo, towels etc. you can customize your home by creating environments hybrid between inside and outside. The decision to leave room impromptu architecture spontaneous comes from this same characteristic inherent in certain types of housing .





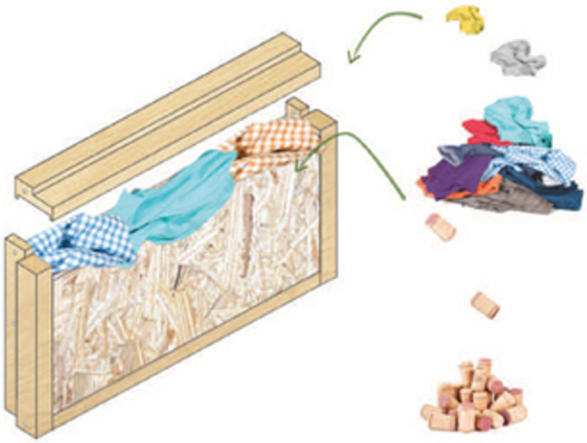
The technological system module PRO.teo is constituted by a bearing structure in wood frame of solid pine and absorption panels. The element prinicipale and innovative is precisely the panel that, with a frame structure which is also in wood, by simple section to "L" to allow for the mutual assembly, can be assembled in the laboratory with traditional insulation such as rock wool and of glass, and for finishing OSB, plaster or, alternatively, it is possible to fill the panel with recycled materials and reuse, such as untreated fabrics, straw, cork, sand, dry leaves, plastic, etc. This, in emergency situations, facilitates the availability of the materials and it reduces considerably the cost. However in this case it will not be possible to determine unambiguously the transmittance values of the elements. E 'can, however, make a simulation in order to assume the heat load necessario.Questa its versatility makes the living module PRO.teo leave ample room for spontaneity and inventiveness of users and enriched with a strong identity and ideological meaning .

Measurements panel chipboard of 1.50 x 0.75 m, is derived from the sub-housing module 3 x 3 m.

Lightweight and easy to carry, it is suitable for DIY.

Semplice

Riciclato



For further information please contact:
Marika Provinzano, marika.provinzano@gmail.com
Sara Maria Rosato, saramariarosato@gmail.com