

SISTEMA MODULARE PER ALLESTIMENTO DI MICROAMBIENTI AD USO ABITATIVO

Laurea in Disegno Industriale e Ambientale
a.a. 2013/2014
Sessione invernale 9 Marzo 2015

Laureanda: Silvia Spinozzi
Relatore: Arch. Andrea Lupacchini



Scuola di
Architettura e
Design
Eduardo Vittoria

«Viviamo in un mondo in continua trasformazione. Siamo catapultati in un ordine globale che sta estendendo i suoi effetti su tutti noi»

(Il mondo che cambia, Giddens)



COME SARA' LA CASA DEL FUTURO?

...nel cinema



Il ragazzo di campagna, Castellano e Pipolo, 1984



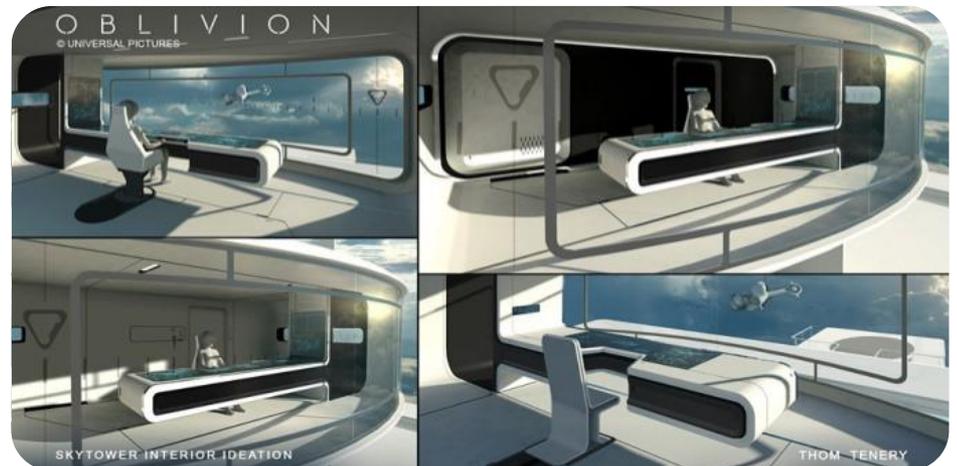
Il quinto elemento, Luc Besson, 1997



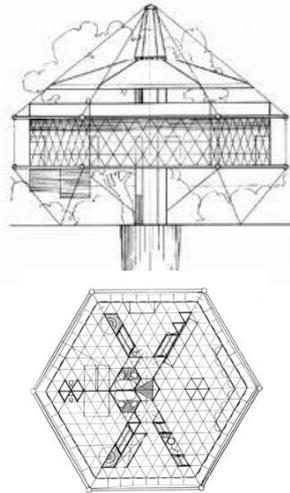
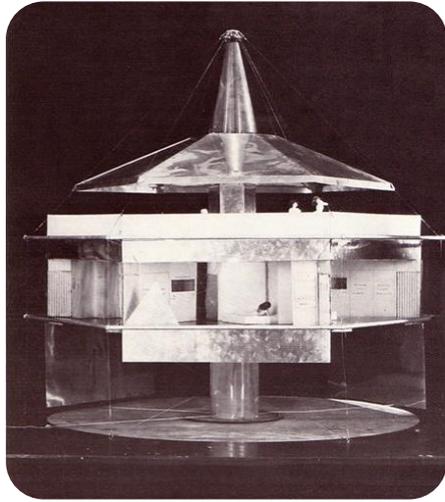
...nella concept-art



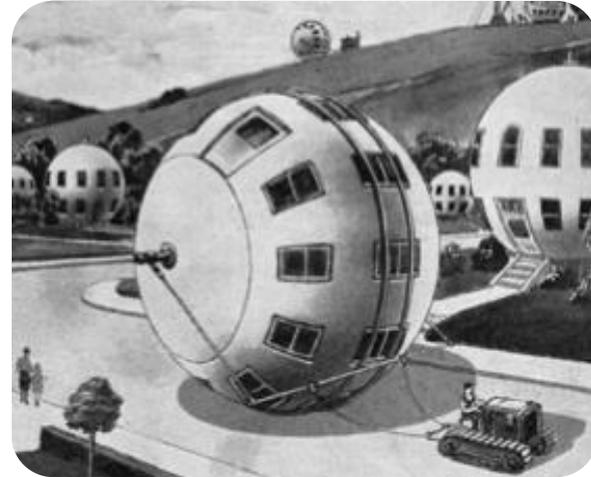
Total recall, Ed Natividad, Andy Chung e Stephan Martiniere, 2012



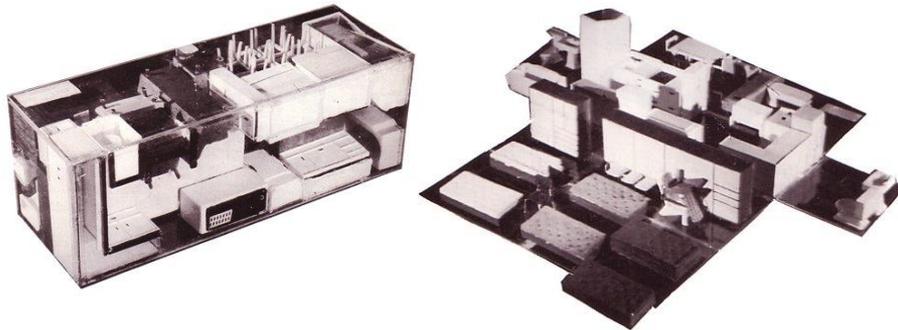
Oblivion, Thom Tenert, 2013



4-D Dymaxion house, Buckminster Fuller , 1927



*Casa mobile, nella rivista
Everyday Science and Mechanics , 1934*



Casa pieghevole, Buckminster Fuller , 1948



Futura – casa ufo, Matti Suuronen, 1968

...nell'architettura



The face house, Roberto Semprini, 2008



40msq, Paolo Badetti, 2008

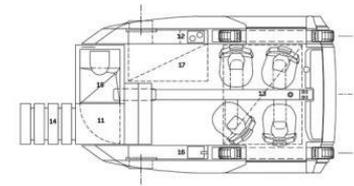
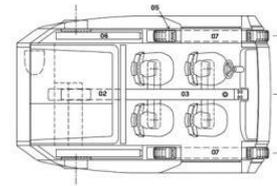


Hivehaus, Barry Jackson, 2013



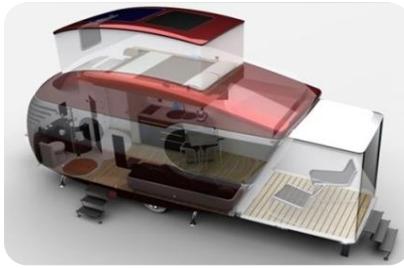
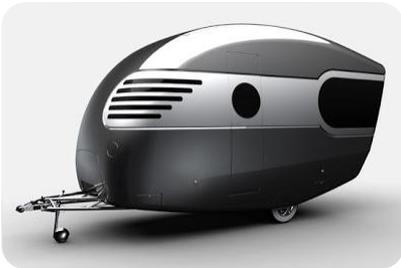
Rhome for denCity, Chiara Tonelli, 2014

I microambienti ...camper e roulotte



Odorico Pordenone, Jakub Novak

Ecco camper, NAU Design



Retro moderna camper, Bob Villa



Romotow, Gen-Y

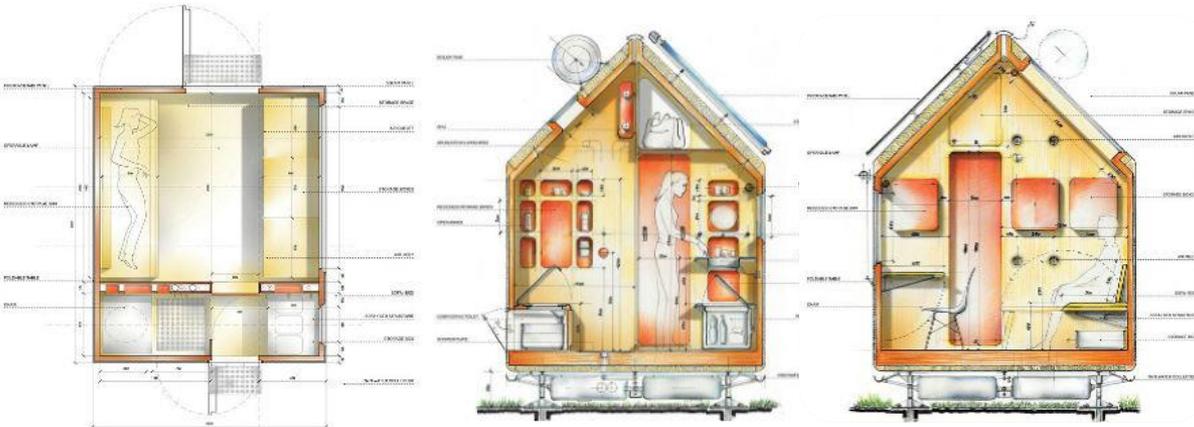
...non dotati di ruote



Loft cube, Werner Aisslinger



Miro Compact House, Richard Horden



Diogene, Renzo Piano





POLIFUNZIONALE

FLESSIBILE

As if from nowhere, Orla Reynolds

casa del futuro

GREEN



Zero House, Specht-Harpman

DOMOTICA

COLLETTIVA



Z.Island, Zaha Hadid

Classificazione dei microambienti a seconda della loro ORGANIZZAZIONE INTERNA

sistema PERIMENTRALE

sistema LIBERO

sistema a BLOCCHI SCORREVOLI

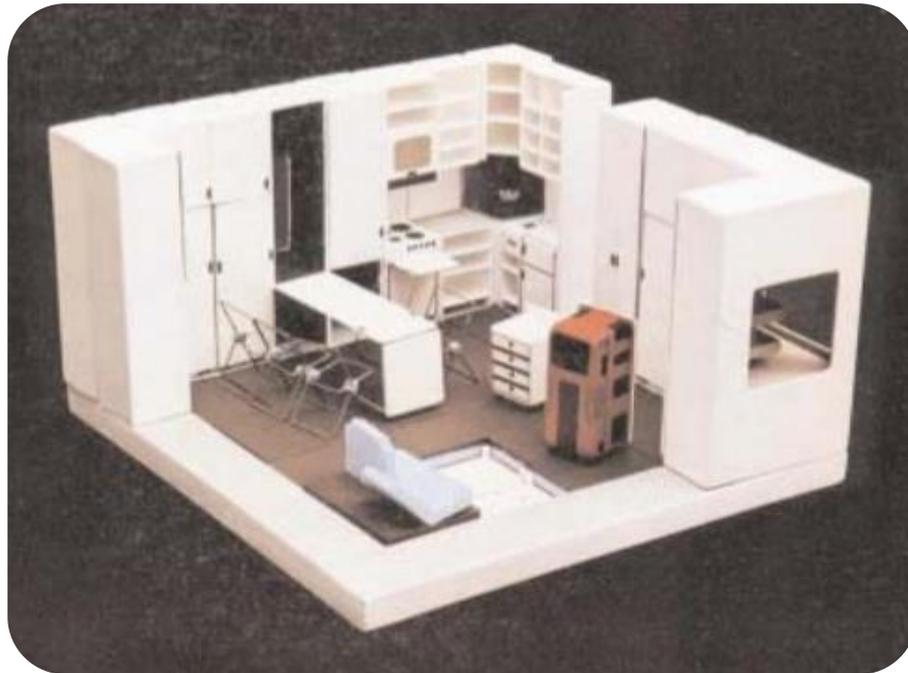
sistema a ROTAZIONE

sistema a ROTAZIONE VERTICALE

sistema a PAVIMENTO

sistema a SOFFITTO

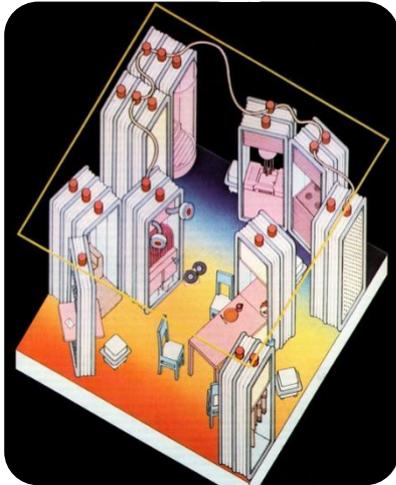
sistema PERIMENTRALE



Elementi modulari attrezzati per arredamento di spazi interni, Gianantonio Mari



Lego House, Barbara Appallonni .



Cubitat, David Wex, Mark Reeve e designer Luca Nichetto



House environment, Ettore Sottsass



Sheer, Gatto Kitchen

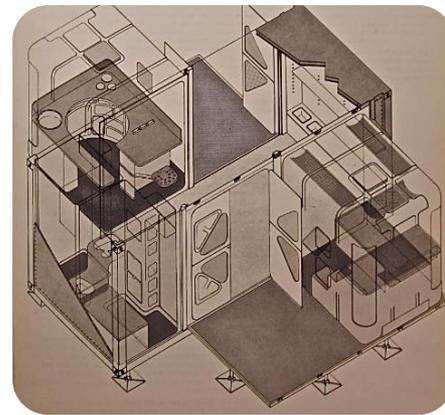


Minikitchen, Boffi

sistema a BLOCCHI SCORREVOLI



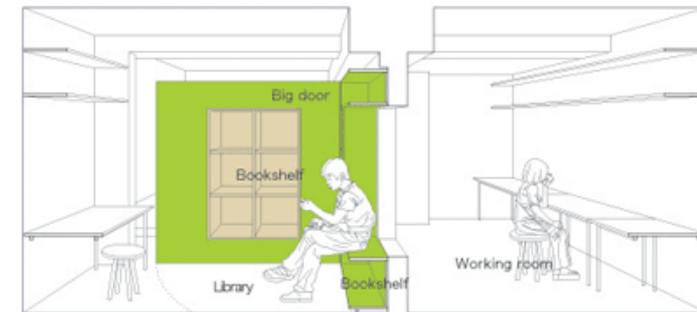
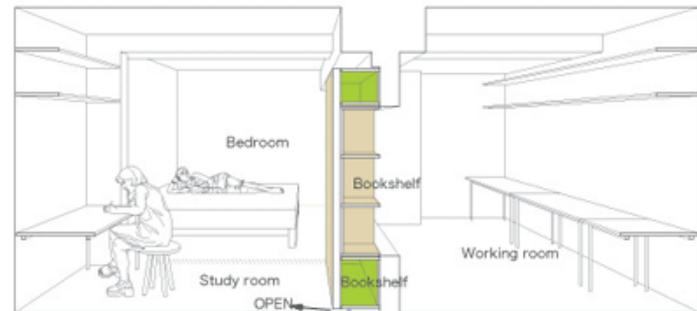
Total furnishing unit, Joe Colombo



Unità d'emergenza, Zanuso e Richard Sapper



Elastic Living, Clei

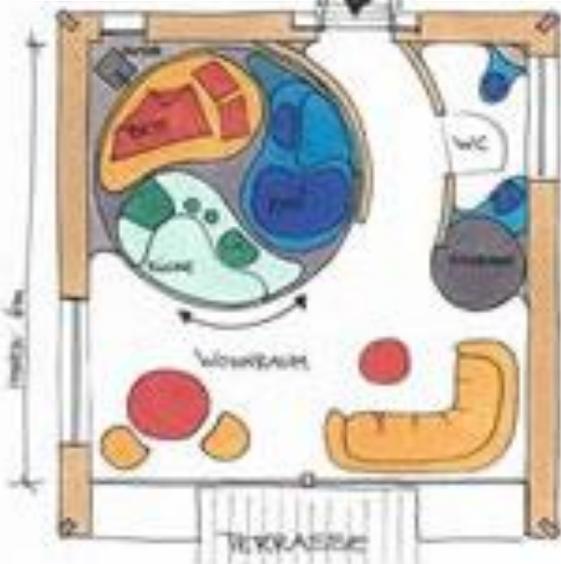


Switch, Yuko Shibata

sistema a ROTAZIONE



Treestyle, Antonio Giacometti

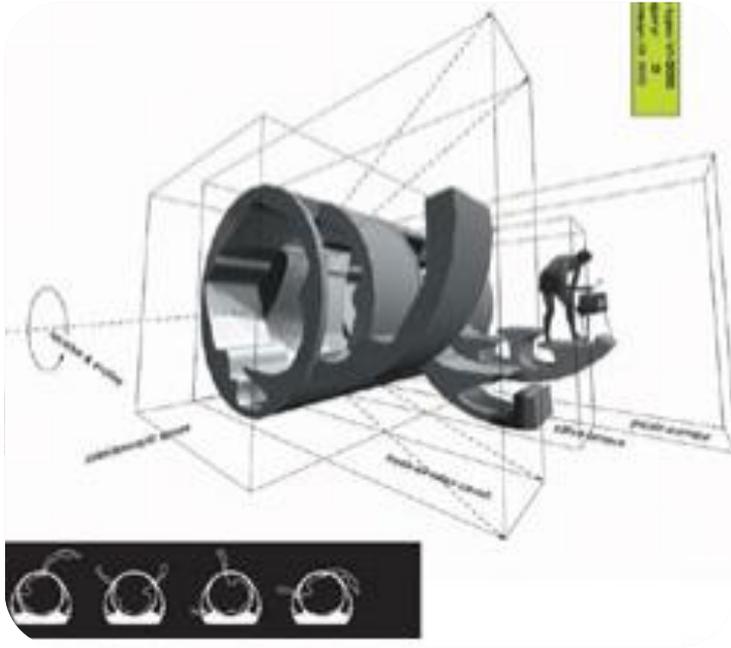


Rotor House, Luigi Colani



Rotator, Ron Arad e Jean Michel Wilmotte

sistema a ROTAZIONE VERTICALE



Roll it, università di Karlsruhe



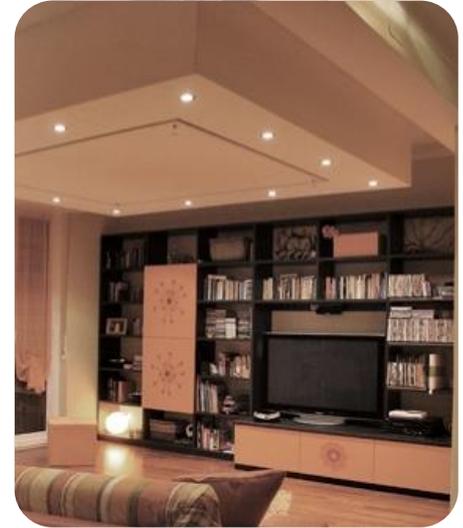
Turn on, ditta austriaca AllesWirdGut

sistema a PAVIMENTO



Elementi modulari attrezzati per arredamento di spazi interni, Gianantonio Mari

sistema a SOFFITTO

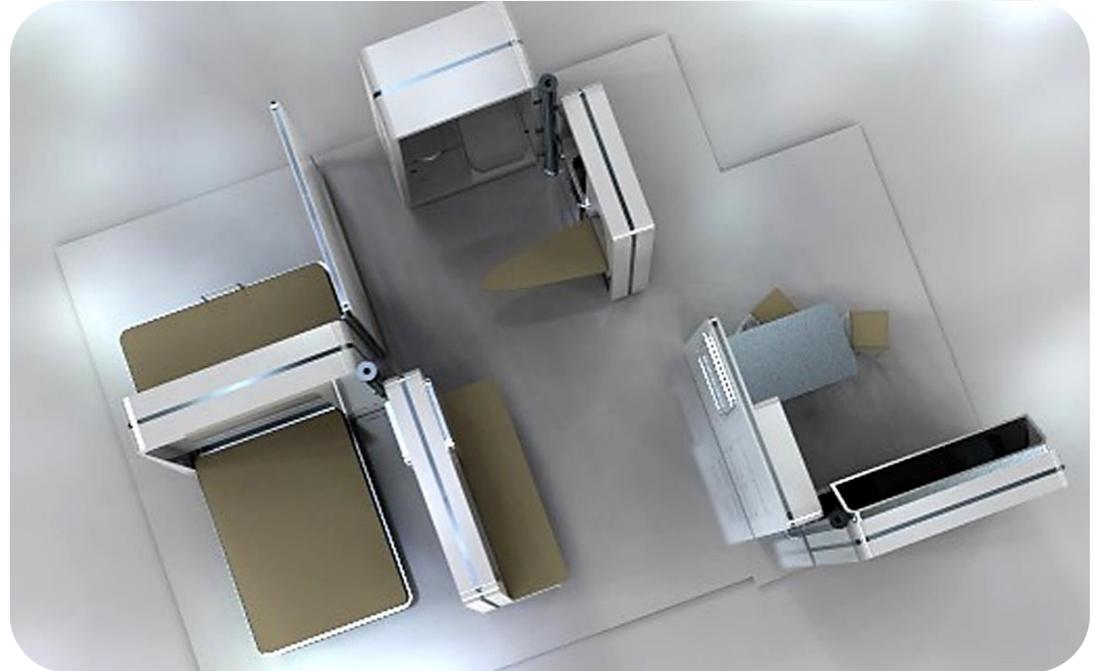


Didomestic

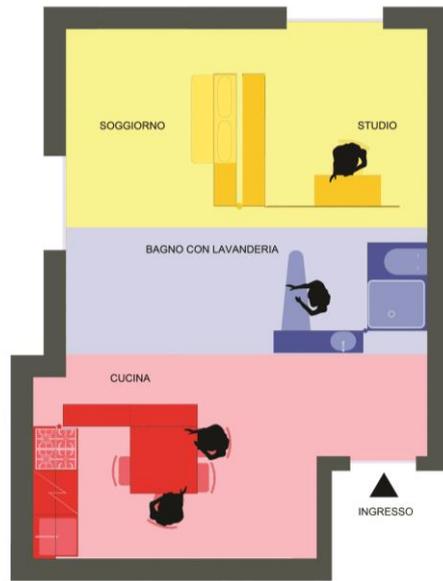
BedUpDown, 2G DESIGN

sistema LIBERO

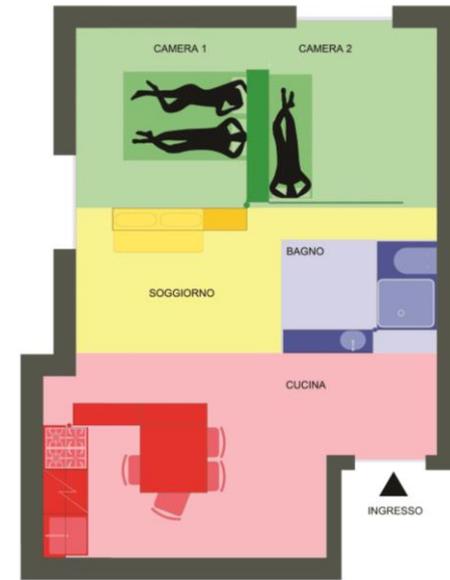
SISTEMA MODULARE
PER ALLESTIMENTO
DI MICROAMBIENTI
AD USO ABITATIVO



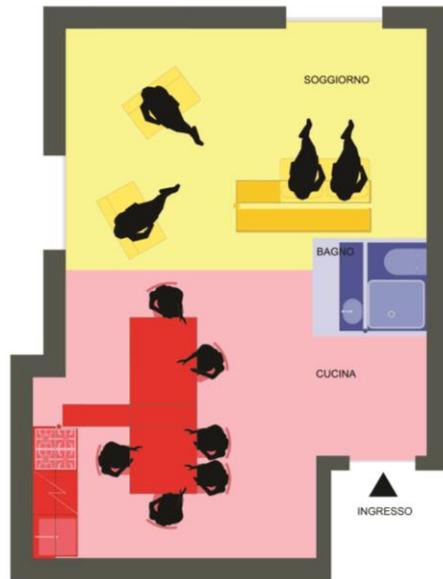
GIORNO



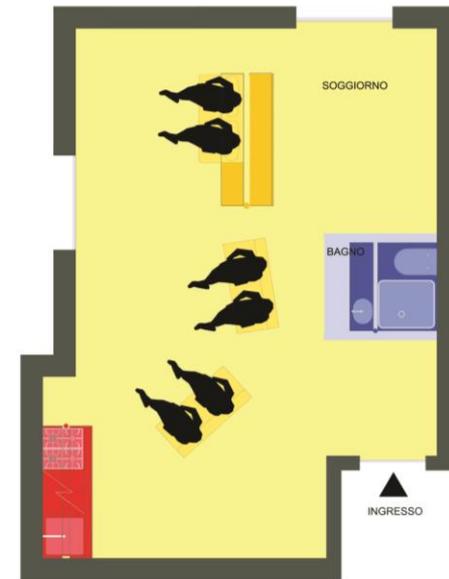
NOTTE



OSPITI



...per una festa



...per un film

Sistema CONTROSOFFITTO

MODULO 1 (100 x 100 x 30)cm

alloggio climatizzatore ad incasso

MODULO 2 (100 x 50 x 20)cm

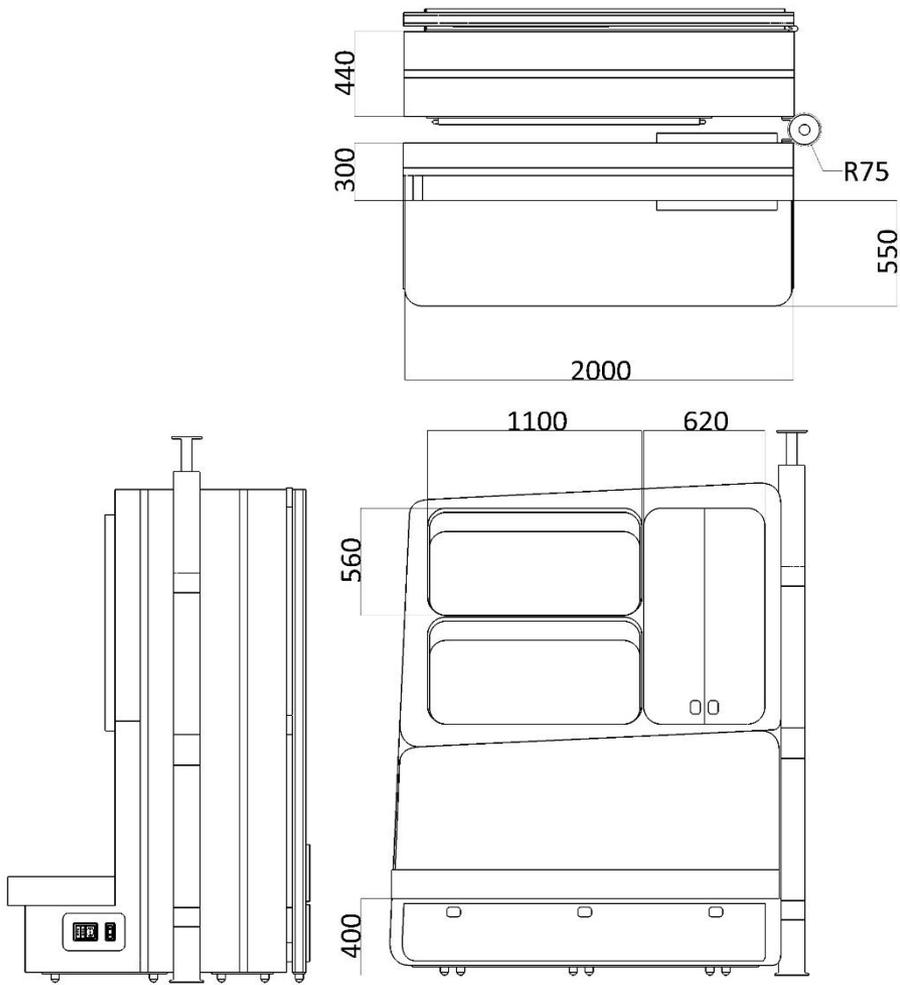
alloggio luce; elemento coprente per la parte superiore della cerniera; elemento semplice di composizione

MODULO 3 (50 x 50 x 10)cm

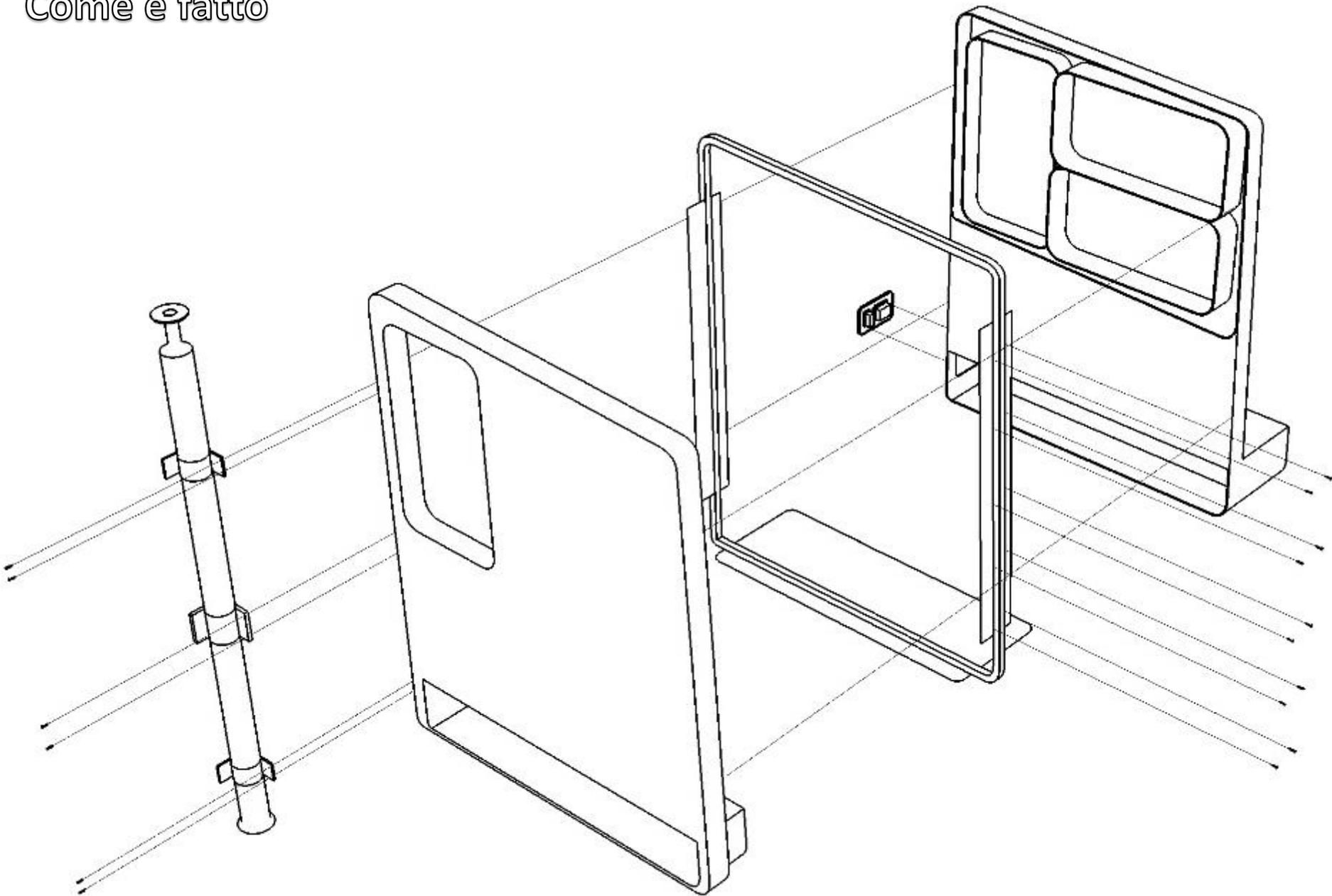
alloggio luce; elemento coprente per la parte superiore della cerniera; elemento semplice di composizione



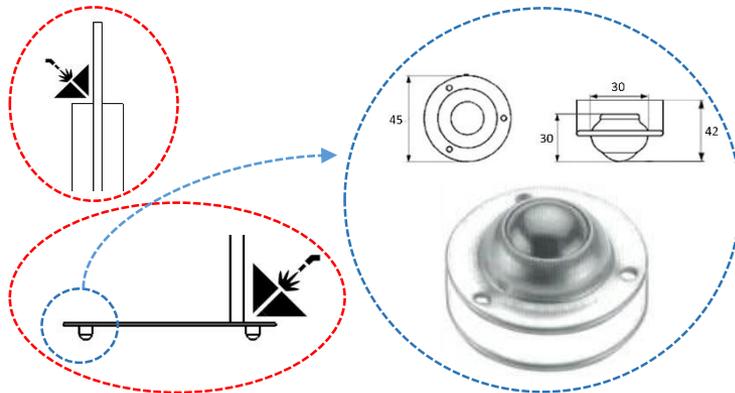
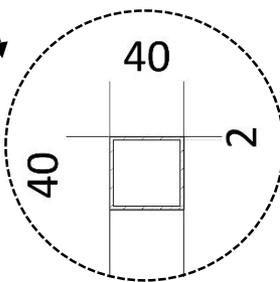
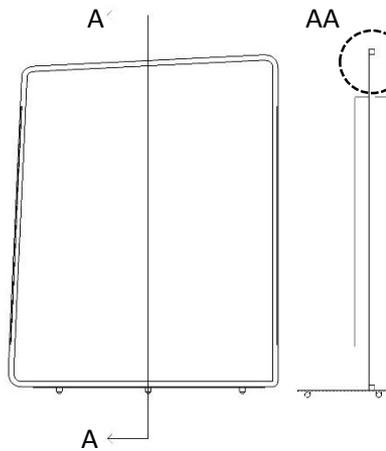
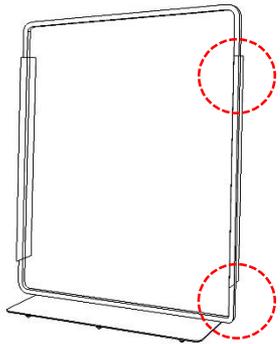
Modulo SOGGIORNO - LETTO



Come è fatto



ACCIAIO

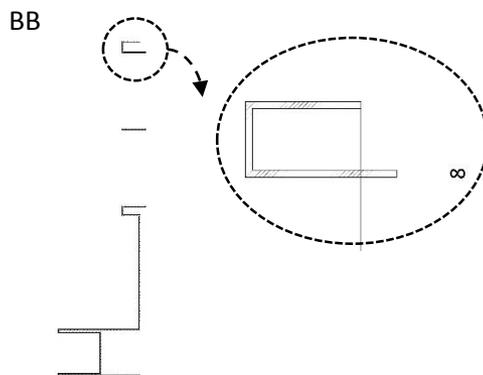
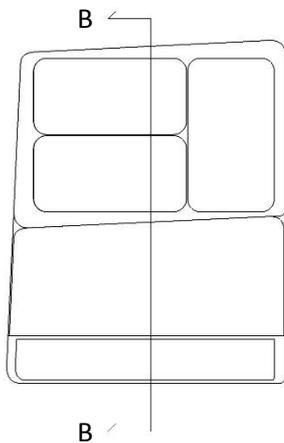
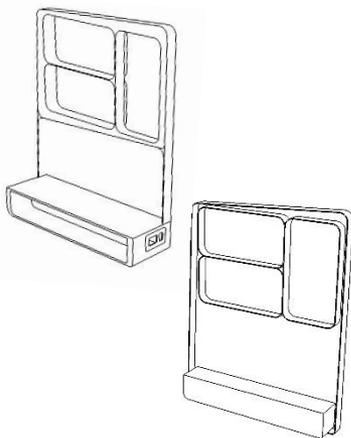


VETRORESINA

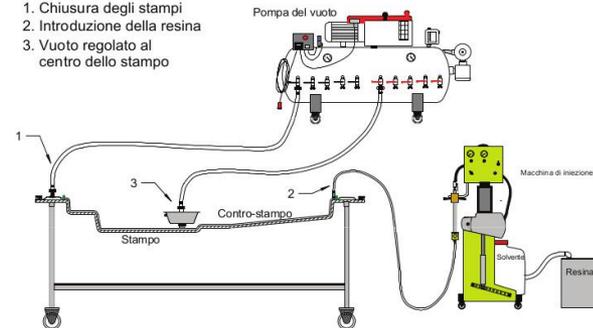
Resina poliestere + fogli di fibra di vetro



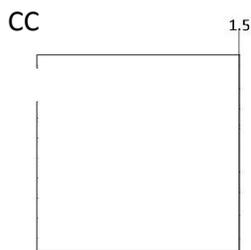
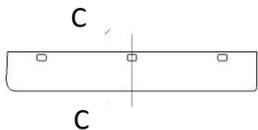
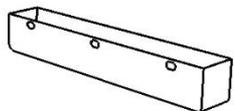
+ altri materiali (es. catalizzatore)



1. Chiusura degli stampi
2. Introduzione della resina
3. Vuoto regolato al centro dello stampo



ALLUMINIO SPAZZOLATO



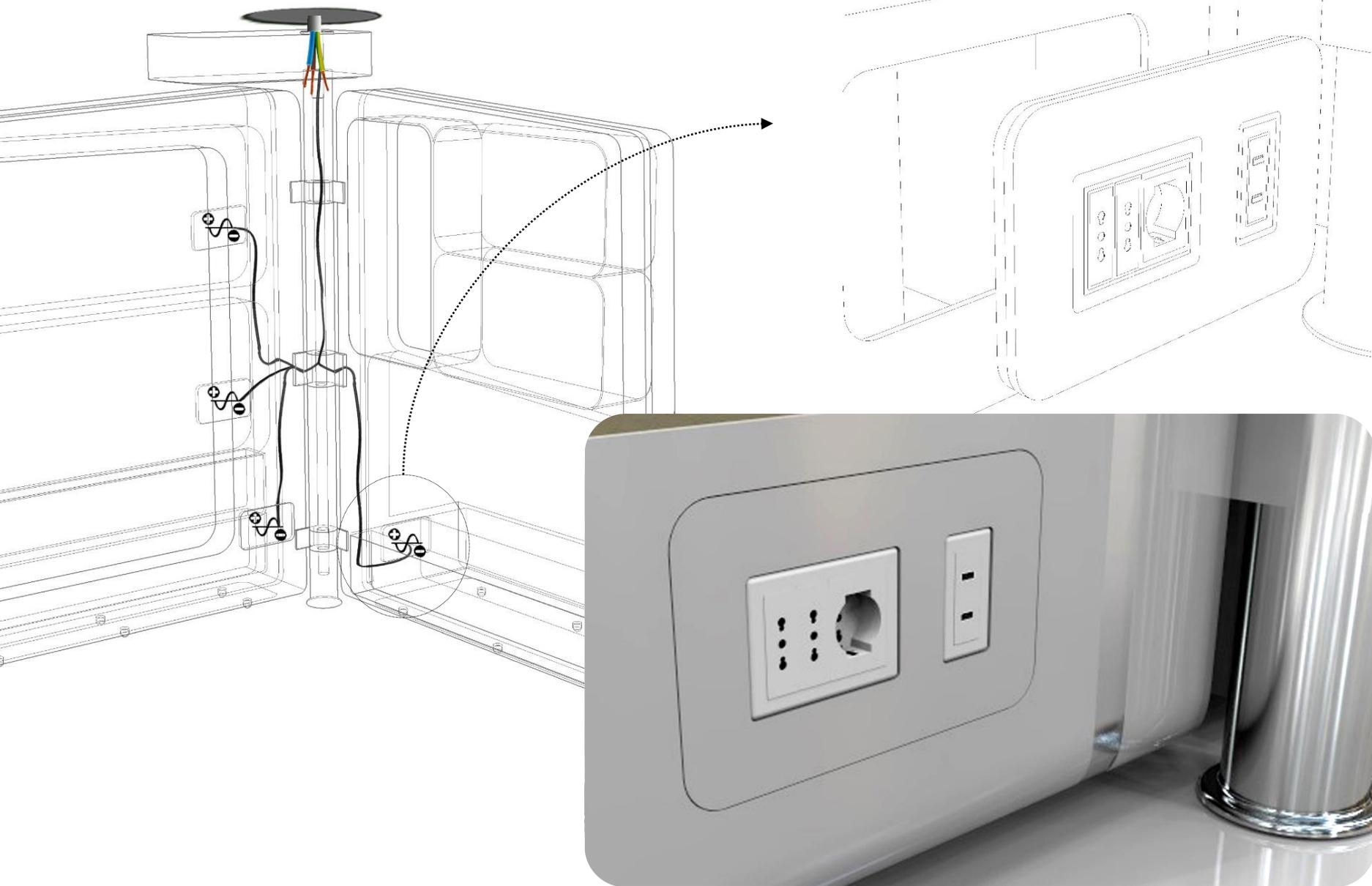
Metodo di GIUNZIONE

Acciaio – Vetoresina

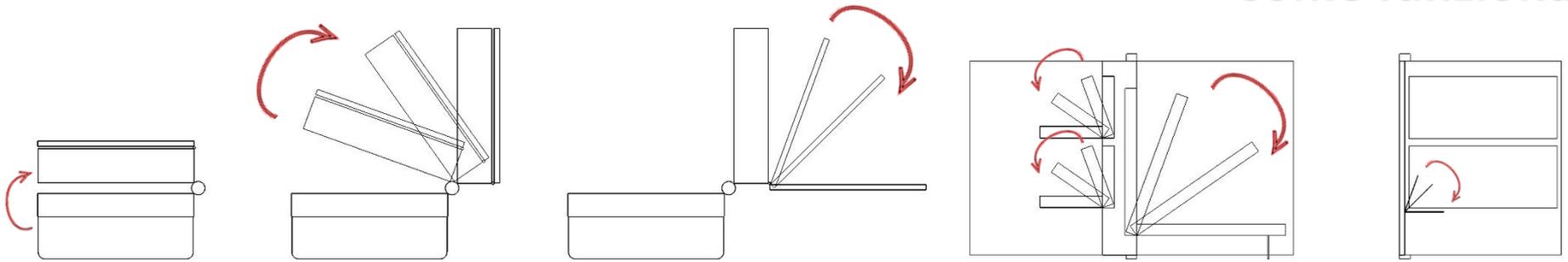
Vetoresina – Alluminio



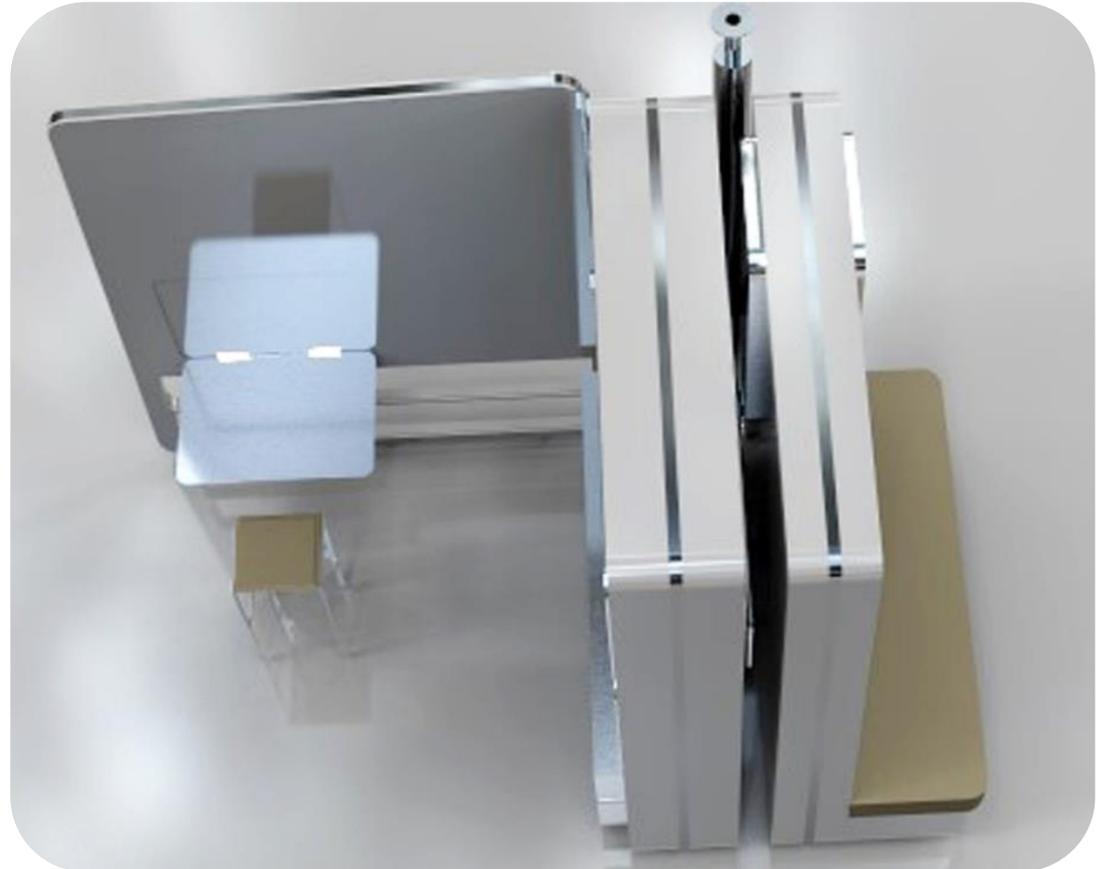
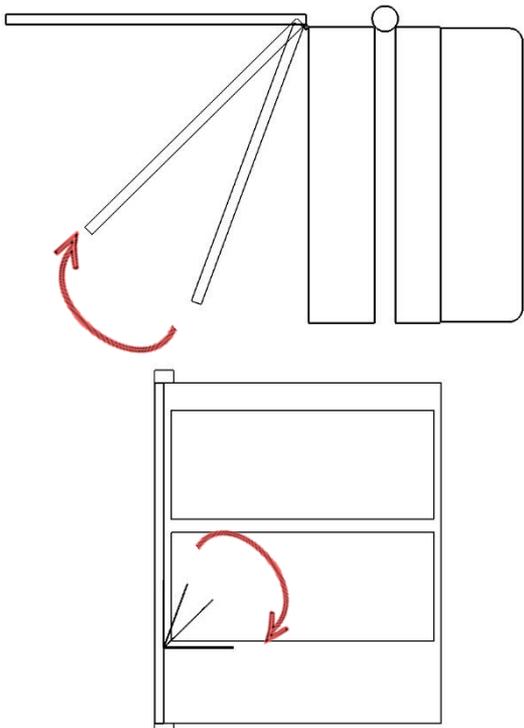
Percorso elettrico



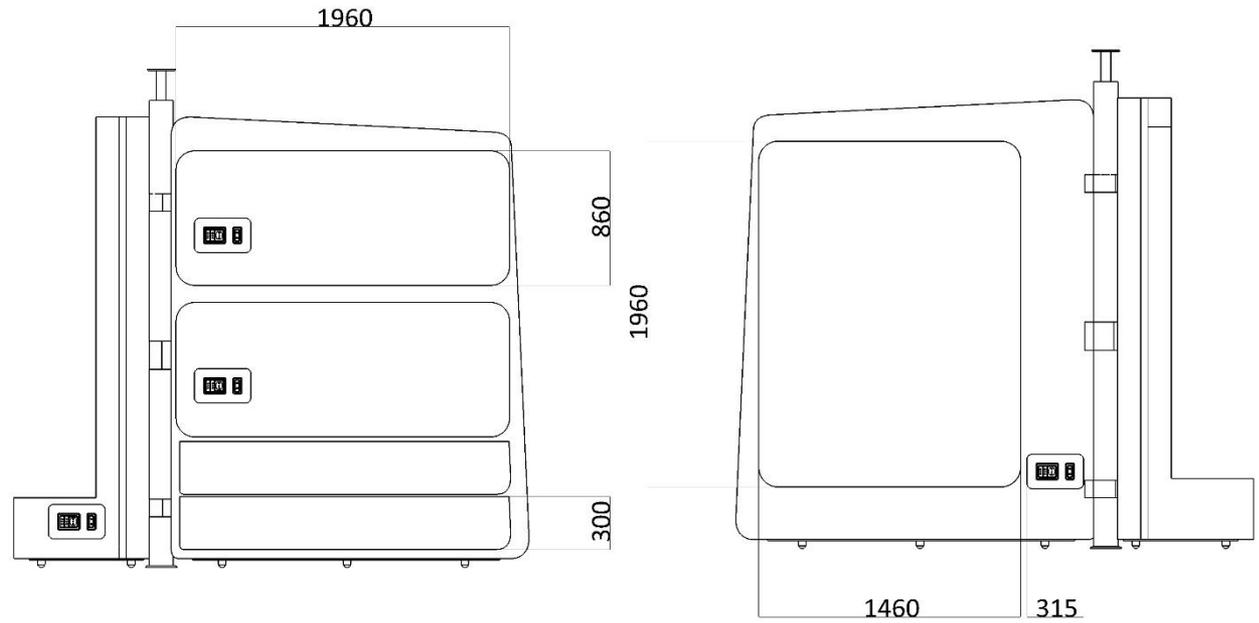
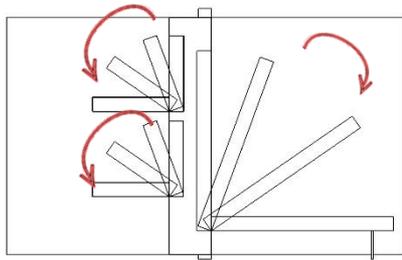
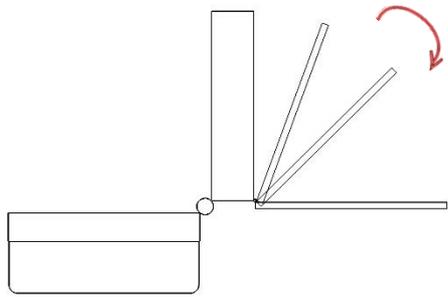
Come funziona



Soggiorno e studio



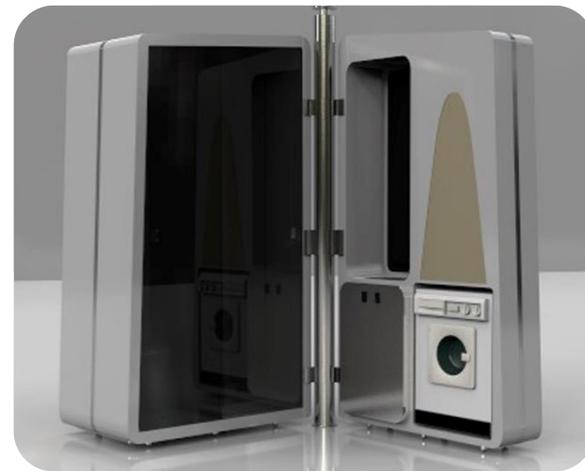
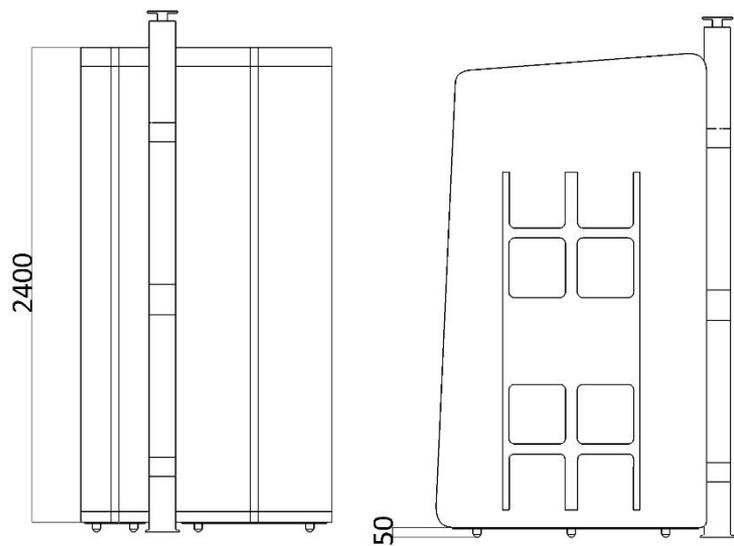
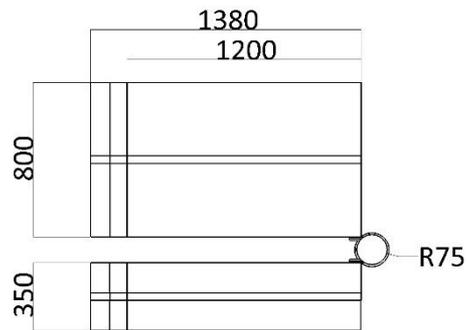
Camere da letto



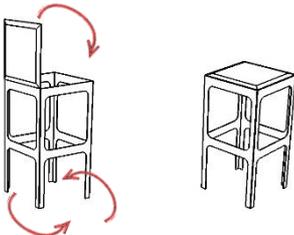
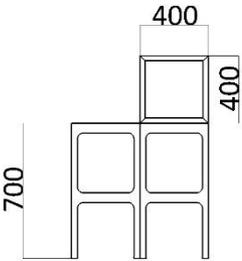
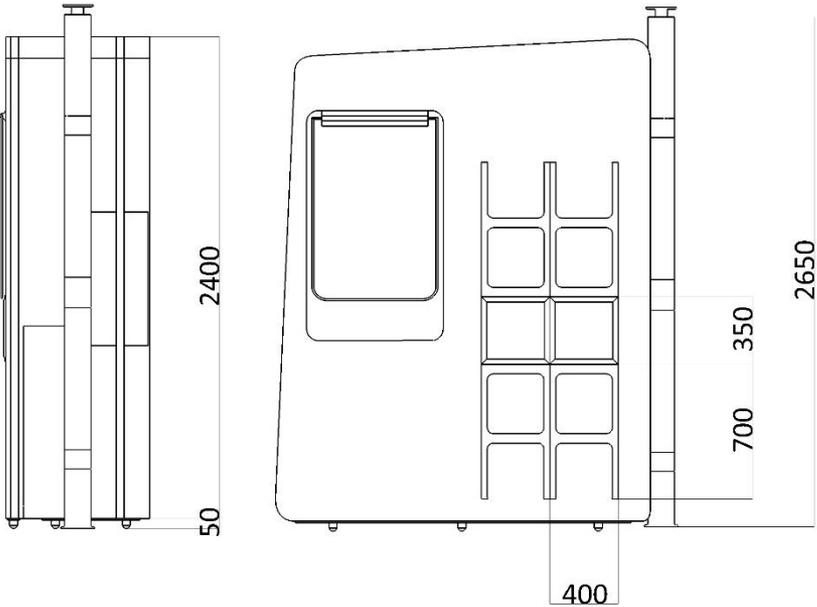
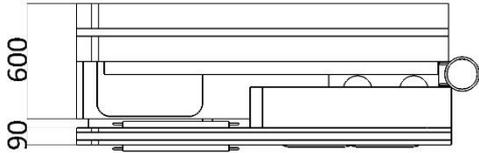
Sistema reti autoportante



Modulo BAGNO



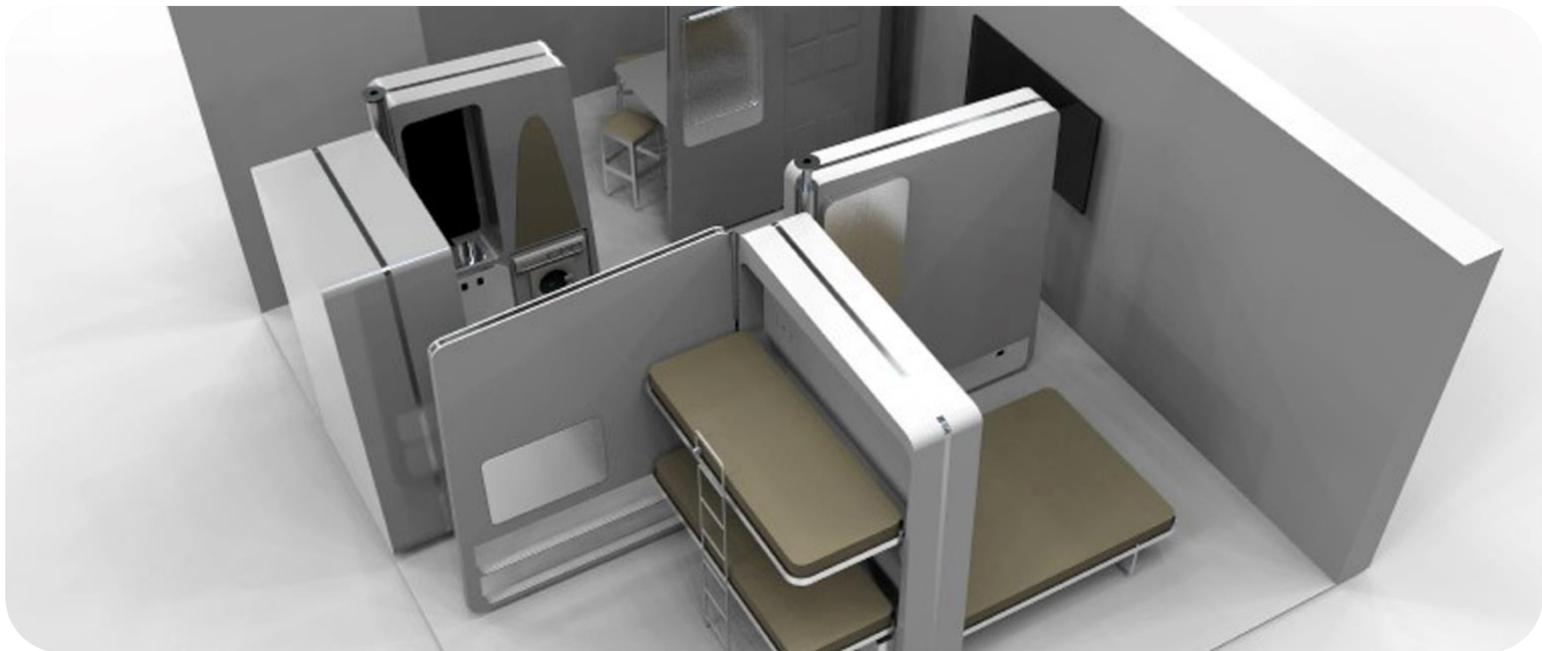
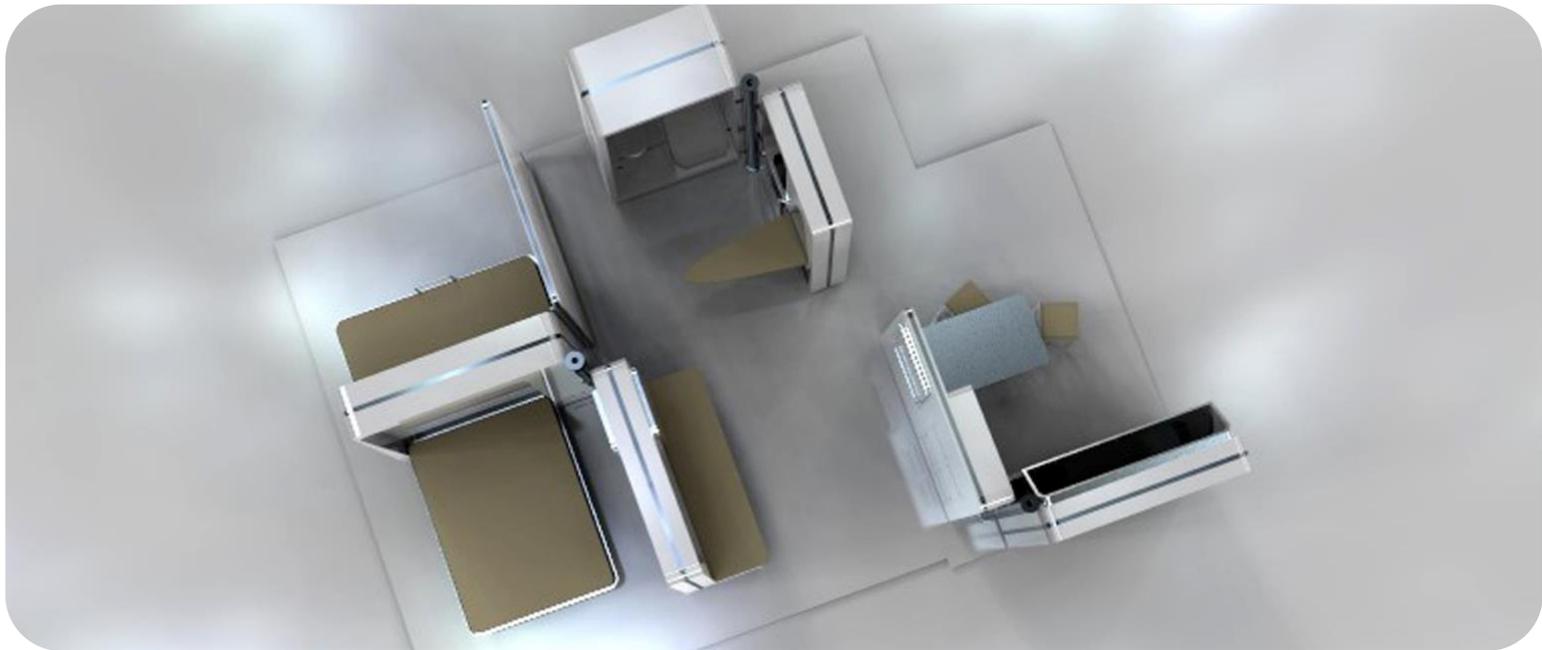
Modulo CUCINA



AMBIENTAZIONI







VITI → DISASSEMBLAGGIO



ACCIAIO

RECYCLED

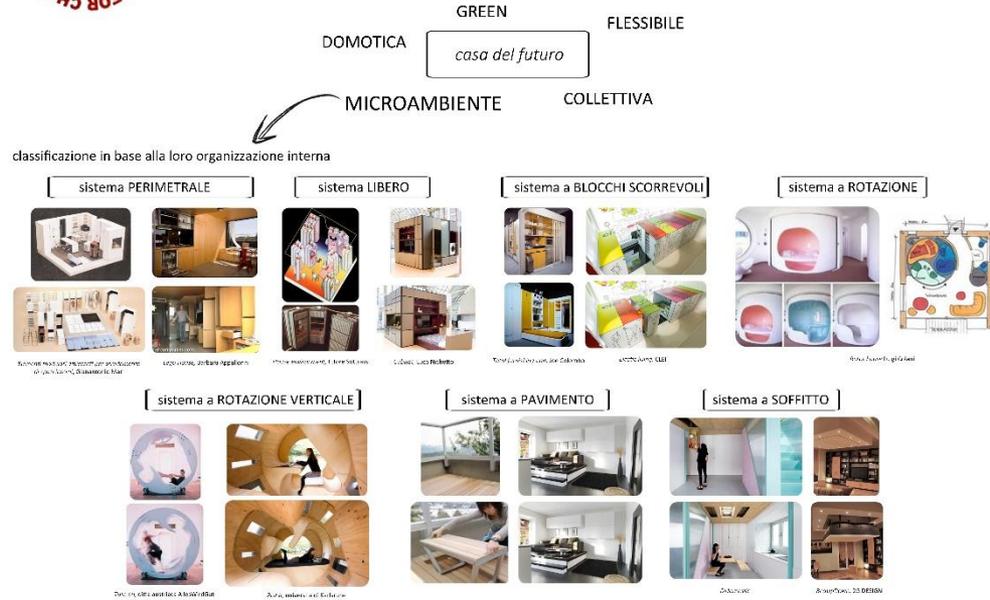
VETRORESINA

ALLUMINIO

RECYCLED



«Viviamo in un mondo in continua trasformazione.
Siamo catapultati in un ordine globale che sta estendendo i suoi effetti su tutti noi»



→ SISTEMA MODULARE PER ALLESTIMENTO DI MICROAMBIENTI AD USO ABITATIVO ←

sistema LIBERO

modulo CUCINA

modulo SOGGIORNO-LETTO

modulo BAGNO

Modulo 1 (100x100x30)cm
alloggio climatizzatore ad incasso

Modulo 2 (100x50x20)cm e Modulo 3 (50x50x10)cm
alloggio luce; elemento coprente per la parte superiore della cerniera; elemento semplice di composizione

MODULI TECNICAMENTE INDIPENDENTI

I MATERIALI

ACCIAIO
Scorrevole anti-ruggine

VETRORESINA

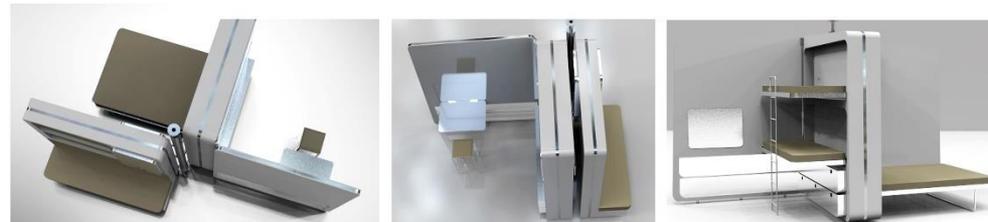
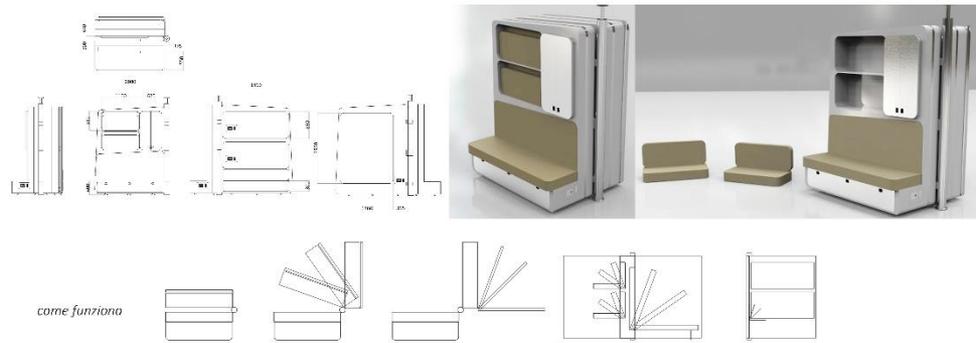
processo di produzione RTM (Resin Transfer molding)

ALLUMINIO spazzolato

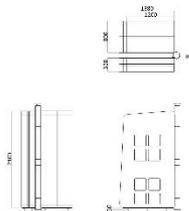
metodo di GIUNZIONE
acciaio-vetroresina-alluminio



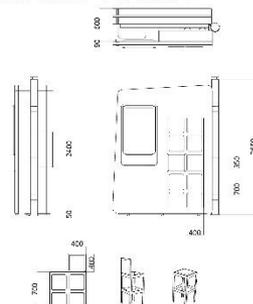
Modulo SOGGIORNO-LETTO



Modulo BAGNO



Modulo CUCINA



SISTEMA MODULARE PER ALLESTIMENTO DI MICROAMBIENTI AD USO ABITATIVO

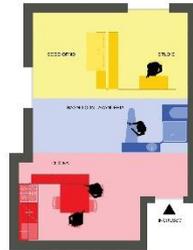
Scuola di Architettura e Design
Eduardo Vittoria

Laurea in Disegno Industriale e Ambientale
a.a. 2013-2014 sessione invernale 9 Marzo 2015

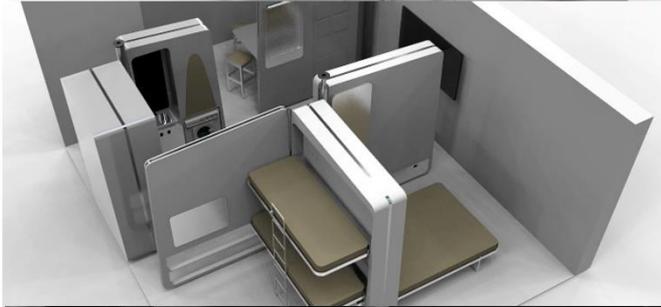
laureanda Silvia Spinuzzi
relatore Arch. Andrea Lupacchini

AMBIENTAZIONI

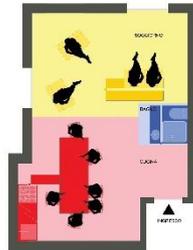
1. giorno



2. notte



3. festa con amici



4. film con amici

