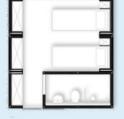
LIFE SHARING TO GO INFACTORY

APPROACH

Purpose	Temporary living in halls of vacant (fac-
	tory) buildings
User group	User mix – people interested in com-
	munal living and people with limited
	housing options
Usage time	Up to one year per resident
Lifetime	Until new permanent use of building
Capacity	Scenario for up to 78 people
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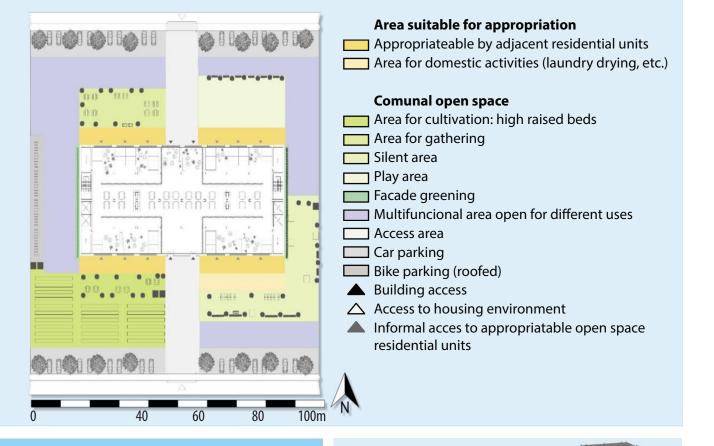
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Characteristics	Based on exploring communal ways of
	living and fostering exchange between
	people with different backgrounds
Design	Interconnectable modules (3.6x1.2m)
	Different module configurations
	Floating floor with heating system
Main Materials	Frame: structural steel
	Insulation: straw
	Walls: timber wood
	Simple joints
Size	1 to 4 people per housing unit



LIFE SHARING TO GO INFACTORY



RESOURCES	DEC		
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Power supply Electric installation Heating Ventilation Water supply Water heating Sanitation system

nitrov

Grid connection Building management system Wood chip plant Natural ventilation Public water network Wood chip plant/PV Sewage connection

SITE

1. Frame 2. Thermal/acoustic insulation 3. Interior wall panels + furniture 4. Exterior wall panels 5. Composition by simple joints	PreconditionsAccessibility of public transport Accessibility of social infrastructure Site is not in disrepair (health hazards, danger of collapse, site contamination)Open spaceNo private open space Communal: cultivation area Area for gathering Silent area Play area Multifunctional area Bike parking Trees in buffer zone Access area
Adapted from the original design of Tasevska and	WWTF The project ESR17-010 has been funded by the Vienna Science and Technology

VIENNA SCIENCE AND TECHNOLOGY FUND Fund (WWTF)

APPROACH

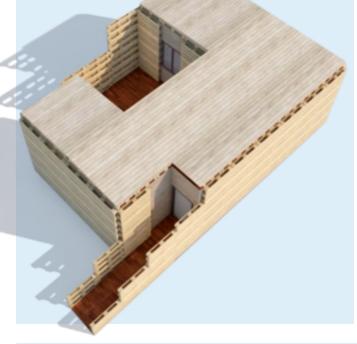
Purpose User group Usage time Lifetime Capacity

Temporary housing during heat waves People vulnerable to heat waves Several days to weeks Several years Scenario for up to 48 people

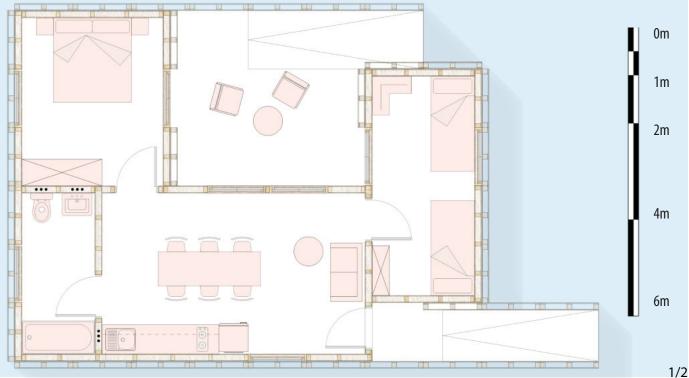
BEAT THE HEAT PALLET SHELTER



BUILDING



Characteristics Based on natural cooling principles Design Recycled construction elements Sustainable raw materials Minimal transport costs Easy and quick assembly Reusable and easy to store Completely shaded by sun sail **Main Materials** Standardized EUR-pallets Oriented strand board panels Straw insulation Wooden laminate Wooden beams Size Building 50 m², Terrace 10 m² Up to 4 people per housing unit



BEAT THE HEAT PALLET SHELTER



RESOURCES

Power supply	
Electric installation	,
Heating	
Cooling	
Ventilation	
Water supply	,
Water heating	
	,

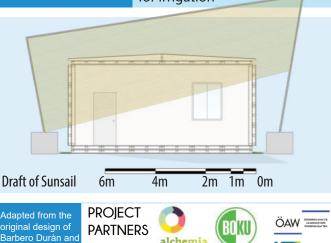
Outdoor lighting

Sanitation system

Cuesta Urquia

Wastewater

Grid connection Conventional None required Sun sails, water mist sprays Natural ventilation On-site elevated water tank Instantaneous water heaters at tapping points LED mounted on the buildings Percolation/infiltration Dry toilets, greywater system for irrigation



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SITE

Preconditions Open space	High potential for natural cooling systems Accessibility of public transport Accessibility of social infrastructure Flat area (slope <5%) Private: terrace, garden and cultivation area Communal: space for recreation and circulation Wheelchair-accessible
	Wheelchair-accessible Communal used bike storage

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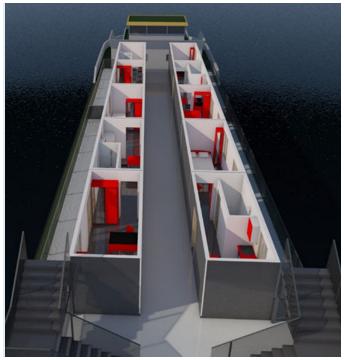
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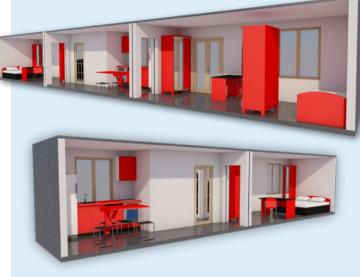
APPROACH

Purpose User group Usage time Lifetime

Capacity

Temporary living in cargo ship People interested in sustainable and resource autonomous living Up to three months per resident Up to three years moored Scenario for up to 20 people

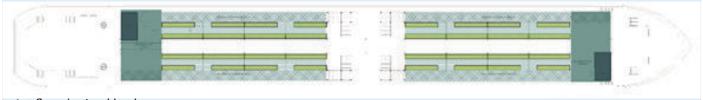




Characteristics	Aiming for self-sufficiency and
	autonomy regarding resources,
	energy and food supply
Design	Efficient utilization of the limited
	space
Main Materials	Repurposed ISO (shipping) containers
	Sliding doors
	Sliding wall segments
Size	Two or three containers per unit
	1 to 4 people per housing unit



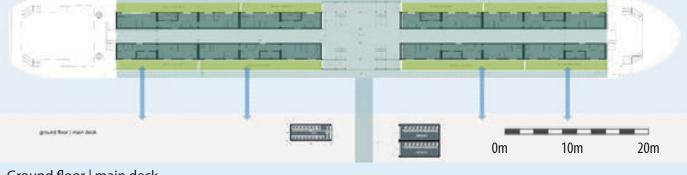
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1st floor | raised beds

Productive area (high raised beds; approx. 73 m²) Communal area for gatherings (approx. 100 m²)

Access area (approx. 300 m²) Shed (approx. 20 m²)



Ground floor | main deck

Private semi-open space: loggia (18- 27m²) Private units for 2-3 users

Access area (approx. 325m²) and landing stage

RESOURCES

Power supply **Electric installation** Heating Ventilation Water supply

Water heating

Sanitation system

Photovoltaics on the ship Building management system Water heat pump Integrated into window frame Water treatment unit for river water and collected rain water/external water supply Electric flow heaters Greywater and blackwater system operated with river or rain water

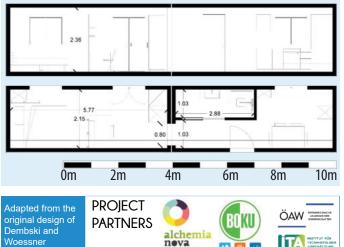
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Public open space (quay)

Bike Storage and garbage facilities

Possible conflicts (private-public)



SITE

Berth for ship
Accessibility of public transport
Accessibility of social infrastructure
Private: loggia – 18-27m²/apartment
Communal: Area for gatherings (roof
terrace)
Productive area (high raised beds)
Access area

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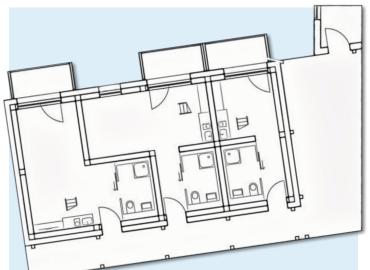
AND TECHNOLOGY FUND

GAP MODULE GAPSOLUTELY FITTING

APPROACH

Purpose	Temporary housing in vacant lots		
User group	User mix – people interested in com-		
	munal living and people with limited		
	housing options		
Usage time	Two to five years		
Lifetime	Multiple assembly and disassembly		
	phases		
Capacity	Scenario for up to 31 people		





Residential unit with balconies (first floor)

Characteristics	Based on modular components
	consisting of prefabricated elements
Design	Easy transport
	Reusable modules
	Deconstruction with low wear and tear
	Allows different living constellations
Main Materials	Wooden columns
	Cross-laminated timber
	Nut and bolt fixation
	Reinforced concrete
Size	1 to 6 people per housing unit



GAP MODULE GAPSOLUTELY FITTING



RESOURCES

Power supply Electric installation Heating Ventilation Water supply Water heating Sanitation system

Grid connection/Photovoltaics Building management system Air-water heat pump (AWHP) System with heat exchanger Public water network AWHP/elect. heating cartridge Sewage connection





SITE

Preconditions	Accessibility of public transport
	Accessibility of social infrastructure
	Vacant lot free of preexisting structures
Open space	Private: loggias towards inner courtyard
	Communal: terrace
	Green area, cultivation area
	Access area, graveled path
	Bike storage room
	Involvement of the neighborhood is
	encouraged by communal open space
	concept

Adapted from the original design of Friedwagner and Prömpers





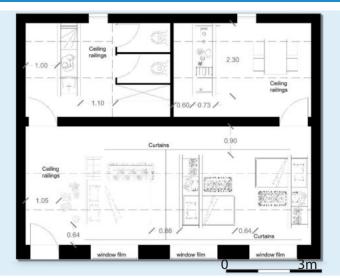
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APPROACH

Purpose	Temporary living in vacant ground
	floor retail space
User group	Inviduals/families with temporary hou-
	sing needs, e.g. expats
Usage time	Six to 24 months
Lifetime	Multiple assembly and disassembly
	phases
Capacity	Scenario for up to 4 people

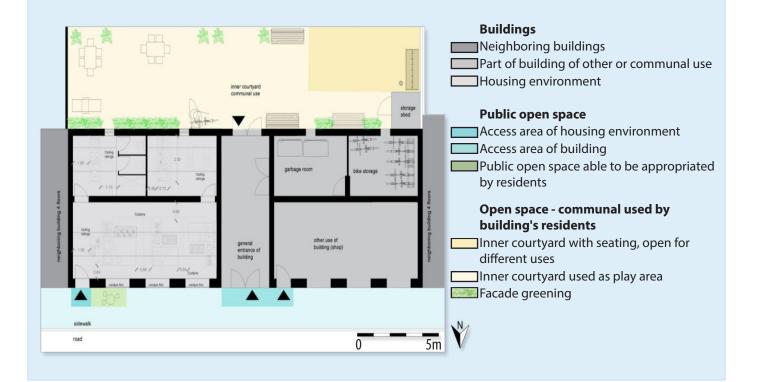
FLAT-PACK SHOP HOPPING BOX



	Characteristics	Reusable, mobile living boxes ("furniture in a box"), easy to adapt to different retail space layouts Flexible room layout through sliding modules on rails and fold-up beds
	Design	Individual living units No structural adaptions Sliding modules on rails
	Main Materials	Kitchen and shower module available Durability and ease of repair Wooden modules
		Guiding metal rails Textile curtains
Life -	Size	Case-dependent on available floor plan of retail space



FLAT-PACK SHOP HOPPING BOX



RESOURCES

Power supply **Electric installation** Heating Ventilation Water supply Water heating Sanitation system

original design of

Verdugo Pelaez

and Rodriguez

PARTNERS

Grid connection Current system in place Current system in place Current system in place Public water network Current system in place Sewage connection



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SITE

Preconditions	Small vacant ground-floor retail space
	Toilet available in retail space
	Location in main streets of the city
Open space	No private open space
	Communal: Inner courtyard
	Short-term appropriation of sidewalks
	(e.g. Parklets)

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LIFE ON TRACK(S) TINYTAINER

APPROACH

Purpose	Flexible – ranging from disaster
	response to event hostels
User group	Flexible – ranging from people with
	sudden housing needs to short-terms
	stays
Usage time	Several days to weeks
Lifetime	High durability
Capacity	Scenario for up to 40 people
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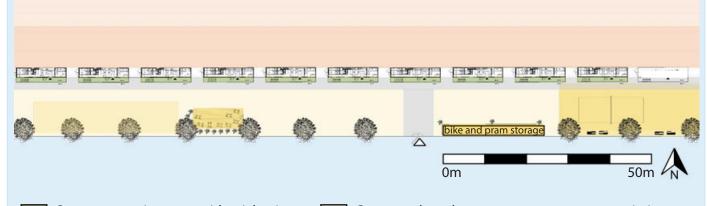




Characteristics	Quickly deployable housing solution with a wide range of possible usages
Design	Fully equipped mobile housing unit on railway
	Transportable without dismantling to intended location along railways
Main Materials	
	Corrugated steel
	Plywood flooring
	Straw insulation
Size	Up to 4 people per housing unit



LIFE ON TRACK(S) TINYTAINER



- Open space private to residential unit Access area Buffer area (tracks)
- Tracks used for other uses
- Communal used open space open to appropriation Communal used open space: potential gardening area Communal used open space: play zone Communal used open space: terrace with seating Communal bike storage (roofed)

RESOURCES

Power supply Heating Ventilation Water supply Water heating Sanitation system

Г

Grid connection Infrared panels Integrated in window frame Public water network Electric flow heaters Sewage connection





PROJECT

PARTNERS

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Adapted from the

original design of

Neudeck and

	SITE
Preconditions	Non-frequented tracks
	Delimitation to operational rail lines
	Low noise exposure
	Accessiblity of social infrastructure
	Accessibility of public transport
Open space	Private: terrace mounted on container
	and folded in for transport
	Communal: terrace
	Access area
	Multifunctional area (cultivation, play
	zone, etc.)
	Bike storage



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