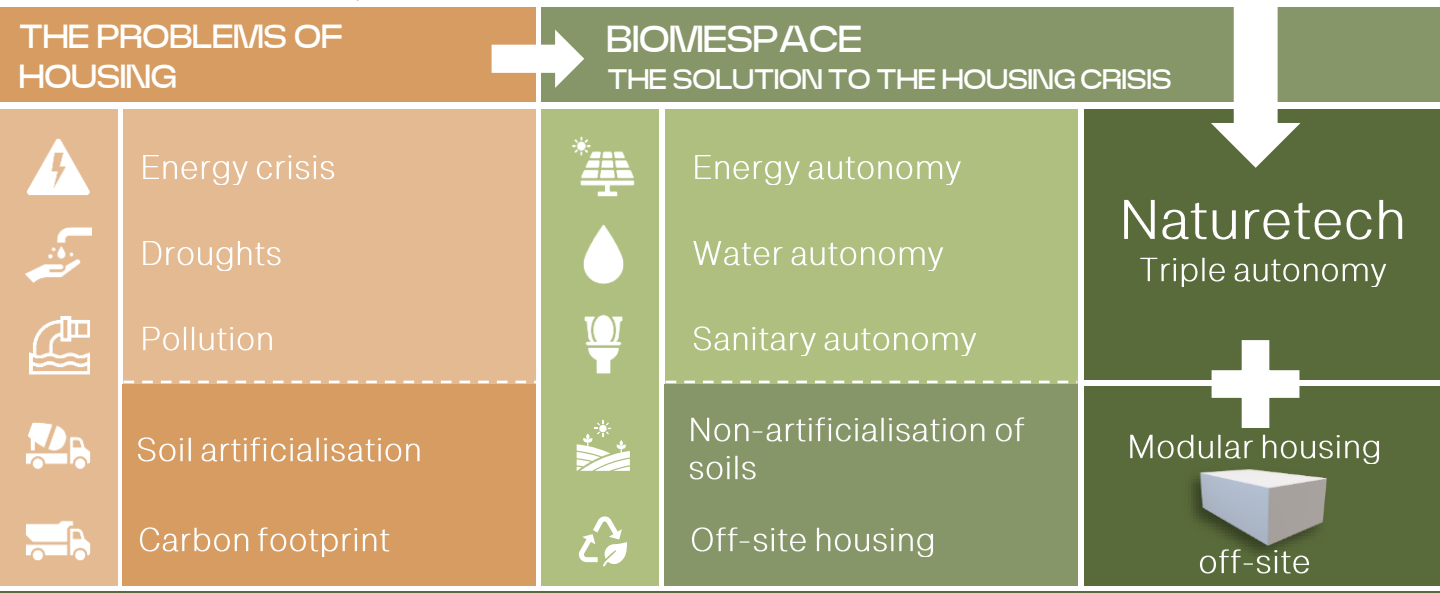
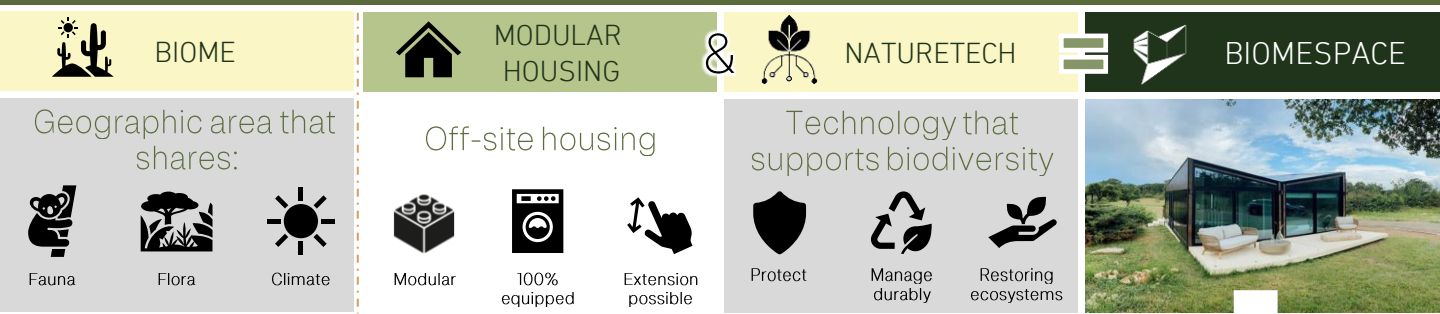


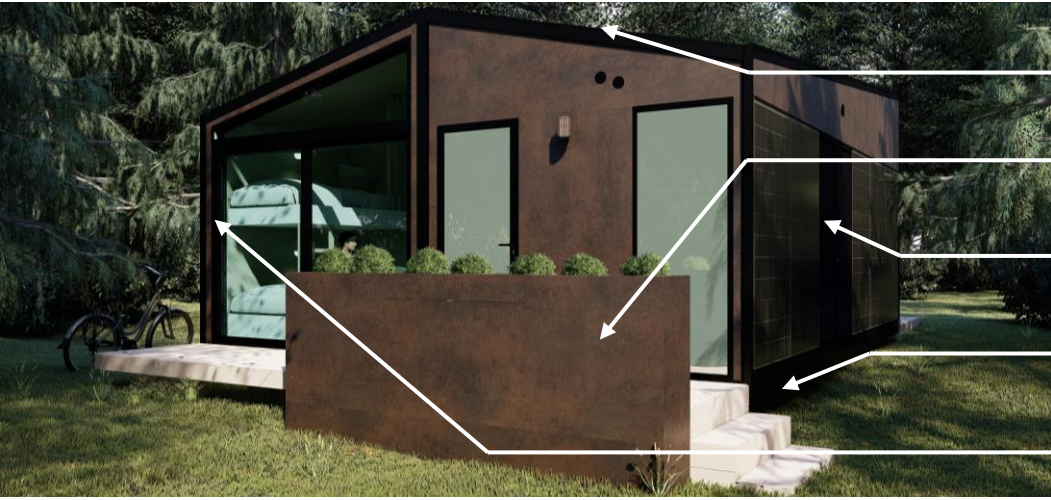


Biomespace is the first housing designed around "Naturetech", totally autonomous, eco-responsible, sustainable and modular, it uses new technologies to provide sustainable solutions to current environmental challenges, while respecting the environment and our natural resources

BIOMESPACE – NATURETECH HABITAT











OUR TECHNOLOGIES






- Solar Panels & Wind Turbines
- Water production & filtration system
- Hydrothermal Carbonization Toilets
- Foundation screws (no concrete slab))
- Eco-sustainable modular construction

 **ENERGY AUTONOMY**




ISSUES AROUND ENERGY

 Price volatility	 Production issues and restrictions	 Greenhouse gas emissions
 Impose	Cost control	Production and use control
 Generate	 Local and autonomous production	 Use of batteries and home automation
		 Renewable energy (panels, wind turbines)



Energy production

-  Solar panels
-  Integrated wind turbines
-  Hybrid panels

Storage & Generation








-  Batteries
-  Inverter
-  Hot water generation

Management & Operation

- AC** Alternating current
-  Automated management and home automation
-  Maintenance



 **WATER AUTONOMY**

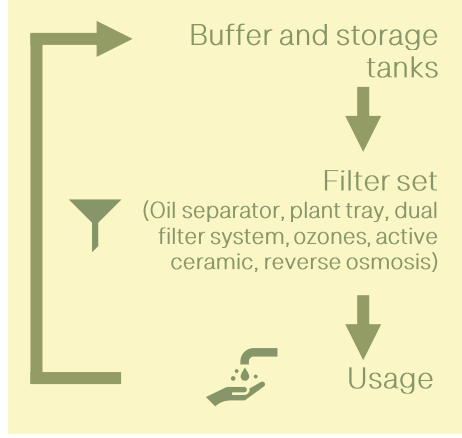
 Pollution of network and bottled water	 Water scarcity and frequent droughts	 Rigid legislation to be changed
 Innovation	 Filtration system and Standalone processing	 Quality sensors, home automation, transmission and automation
	 Rainwater and air moisture collection Water recycling	

ISSUES AROUND WATER

Naturetech Solution
BIOMESPACE
Water autonomy



Water treatment



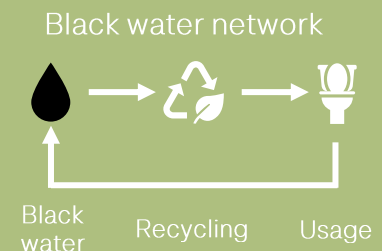
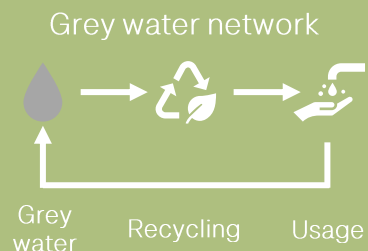
Security

-  Use of Ecolabel products
-  Built-in sensors
-  Home automation
-  Data upload

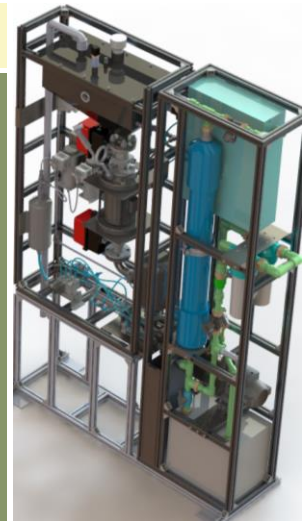
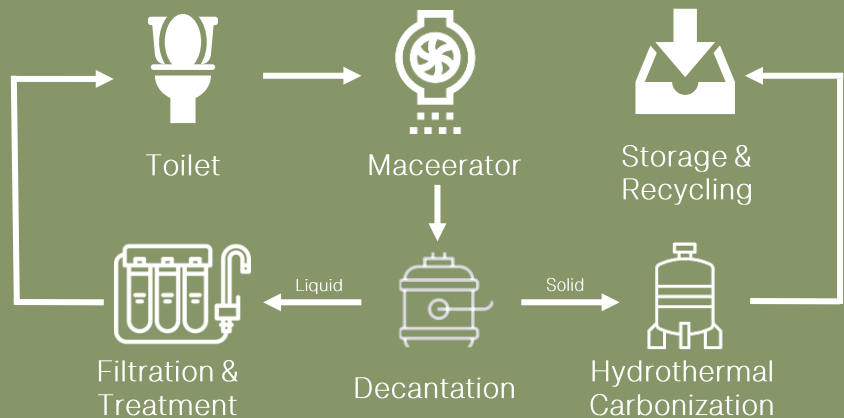
X No pollution
No purge water

 SANITARY AUTONOMY

**TWO
AUTONOMOUS
NETWORKS**
No communication
possible between them



General scheme of sanitary autonomy



Hydrothermal
Carbonization
System

Wet toilets
Modern comfort
No discharge into
the networks
On-site waste
treatment

Patented
technology

With



 SOIL PRESERVATION

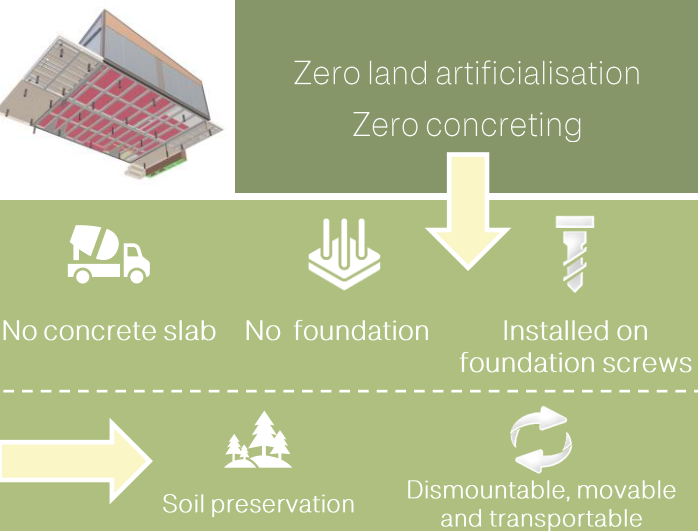
ISSUES AROUND SOIL PRESERVATION

-  Over-concreting
-  Overexploitation of sand
-  Laws about Artificialization





 OFF-SITE PRODUCTION











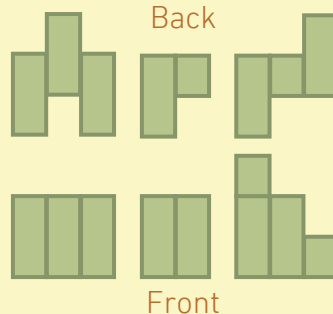
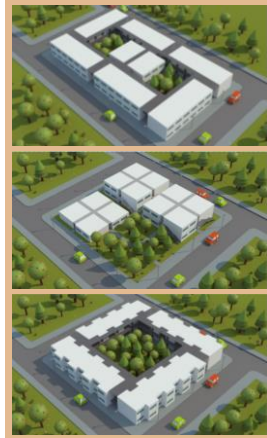





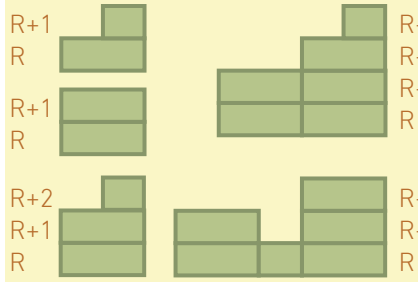



ISSUES AROUND POLLUTION

-  Carbon footprint
-  Pollution of construction sites
-  Waste recycling




- Ecological benefits
-  Use of sustainable materials
 -  Reduction of the carbon footprint
 -  Factory waste recycling
 -  No release into nature
-  Factory equipped with Biomespace technology






- Economic benefits
-  RE 2020 and more
 -  Modular (optimizes construction)
 -  Reduces construction time
 -  No reservations on delivery

USES		POSSIBLE LAYOUTS	
COLLECTIVE		HORIZONTAL	BENEFITS
<p>Collective housing</p> <p>Social  Students  Senior </p> <p>Temporary housing</p> <p>Seasonal  Sports competitions  Construction site </p> <p>Tourist accommodation</p> <p>Hotels  Tourist residences  Campsites  Leisure Park </p>		<ul style="list-style-type: none"> Multi-tenant technology Speed of job execution Cleanliness of the site Many possible arrangements <p>Conceptual proposals layout</p> 	
INDIVIDUAL		VERTICAL	
<p>Residences</p> <p>Main  Secondary </p> <p>Extensions "The extra room"</p> <p>Bedroom  Office  Studio </p>	<p>Up to 20m² (basic module) Prior declaration</p> <p>Above 20m² (extensions) Authorization required</p>		
	<p>Business premises</p> <p>Offices  Showroom  Stores </p>		






MODULARITY

Basic Module



 20m ² Overall	 « Naturetech » Triple autonomy Energy - Water - Sanitary	 100% equipped	 Finishes included	 Biomespace module
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  5 controlled customization axes, inspired by the LEGO(c) system (assemblies of predetermined elements)

<p>1</p> <p>Technological</p> <p>As required Power of panels and batteries, wind turbines</p> <p>Less or more autonomy</p> 	<p>2</p> <p>Extensions</p> <p>Addition of 10m² or 20m² modules, vertical or horizontal</p> <p>Pooling of autonomy</p> 	<p>3</p> <p>Interior Parts</p> <p>Different blocks to be modulated according to the objective</p> <p>Bedroom, living room, kitchen, bathroom, office, empty room...</p> 	<p>4</p> <p>External</p> <p>Addition of awnings, terraces or individual swimming pools</p> <p>3 types of roofs available</p> 	<p>5</p> <p>Decorations</p> <p>Customization of decoration and equipment</p> <p>Cladding, panels, furniture, household appliances</p> 
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