

productive landscape

Eco Facilities within inhabitable infrastructures

PROJECT DESCRIPTION

The project has been generated from a reading of the directional forces on the edges of the site and its variability in section, negotiating with different orientations for views, and environmental conditions such as sun, prevailing winds, water flows and drainage.

The input of new programming together with the required housing and commercial areas increases density. The existing housing of Sant Joan informs the adjacent proposed housing while slightly shifting its grid.

Old tracks

The continuity of the Antic Pas del Ferrocarril is recovered by introducing a bicycle path that spans the train tracks and continues as far as the cemetery.

The excavating of carrer de Llobregat enables this to merge with carrer de Ventura Gassol and thus provide fluid direct traffic access to the site and articulate transportation.

Train

The proximity of the site to the train station makes it possible to generate an interlocking landscape as an ecological corridor for pedestrians and cyclists while favoring a full sensory engagement with the environment.

A landscaped plateau spans the railway line, extending the site to the Barranc del Gossos.

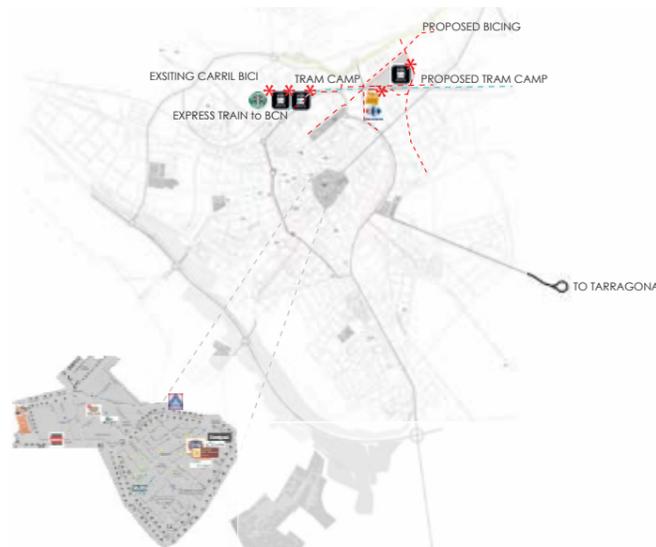
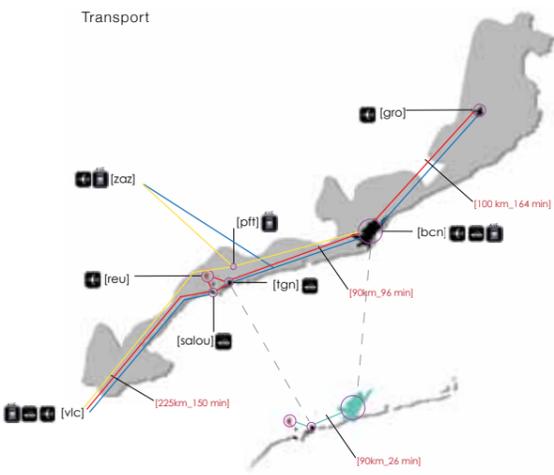
Rambla

The high voltage pylons along the Riera de l'Abeurada are replaced by wind turbines.

The sporadic seasonal water flow is rethought as an opportunity to generate a self-irrigating urban farm corridor as an interstitial area between the site and the cemetery.

The design of the Rambla negotiates with the different site elevations, generating terraced formations, pockets of land and urban bays.

Transport



Transport & Commerce

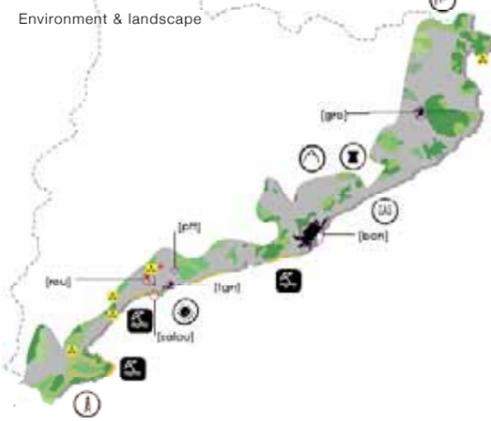
Health & sport



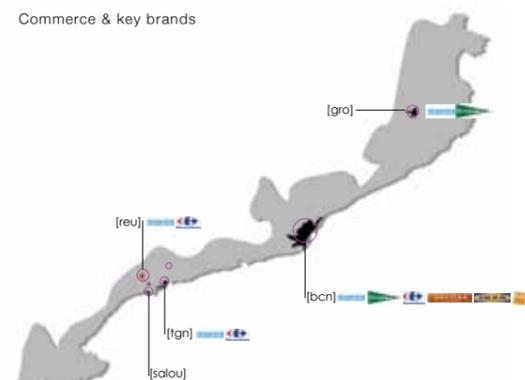
Hospitals & clinics



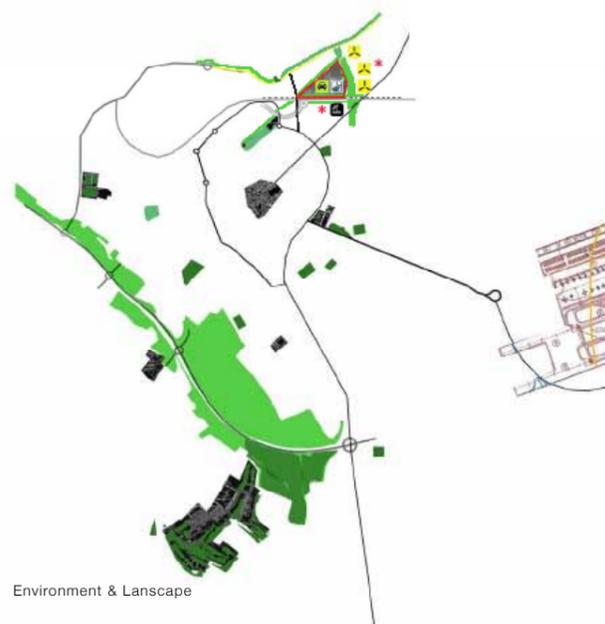
Environment & landscape



Commerce & key brands



Environment & Landscape



Business Plan

No. 1 CITY

Reus is to become a No. 1 city within Catalunya as a result of the proposed innovative tramcar interconnection between Salou, Port Aventura, Tarragona and Peralfort, bringing together tourism, leisure, industrial and commercial activities, with high-speed train and airport connections.

The project develops the train tracks bordering the site into an opportunity by connecting the site to Reus and the surrounding region. Express train connection to BCN will bring the two cities closer in time, thus increasing tourism.



OUR POSITION:

The isolation, fragmentation and scattered facilities of this part of the city, due to the railway infrastructure and its precarious transportation access, make the site a suburban periphery close to the city center.

Areas of housing and commercial activity as the sole low-density programmatic requisite for the site are not enough to resolve its connection with the city while maintaining its suburban and semi-rural character.

We propose a broader approach based on:

- transportation,
- the extension of the given site to include a larger study area,
- the introduction of a business plan that would bring together public-private investment and local and external actors, and
- the rethinking of the site area as alternative asset for the city and its potential to become a community that is self-sufficient in energy.

STRATEGY

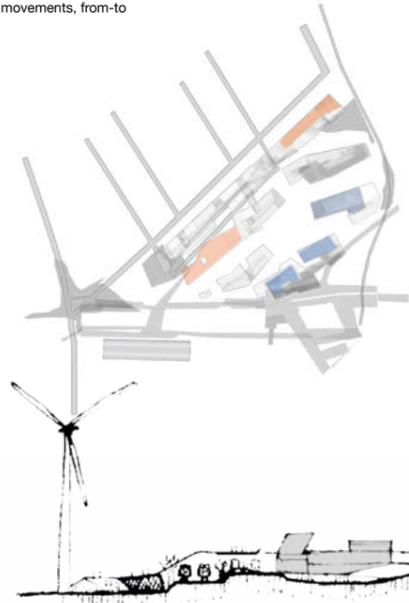
In line with the strategy of the city council, the proposal aims to enhance the key concerns of health, environment, sustainability, alternative transportation, commercial activities and sports as a plateau from which to reposition Peus in terms of its immediate region and the larger territory of Catalunya.

Salut i Medi initiatives framed our approach as a plateau to develop the site as an eco-facility for the city: a productive landscape in which housing, commercial activities, public spaces and transportation will be interwoven as public-private pedagogical facilities, habitats capable of promoting a shift to healthier lifestyles and more sustainable consumption of resources.

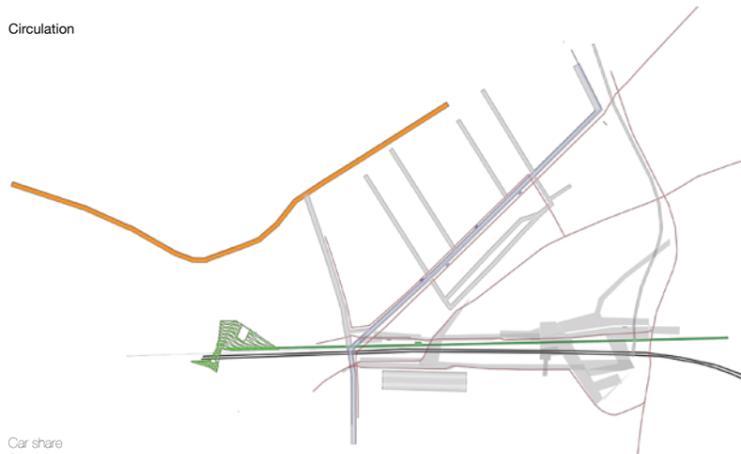
ECOLOGICAL CHALLENGE

The eco-facility will facilitate energy self-sufficiency by reducing the ecological footprint of its users and simultaneously generating energy by means of wind farms, solar panels.

Foot print, earth movements, from-to



Circulation



- Car share
- Bicic
- Bus stops
- Parking
- Tram Camp stop

Public spaces



- Urban Beach, play grounds
- Aula natural, Spai Agua (pedagogic)
- Three, green areas
- Acciona show park

transversal section



MASTERPLAN

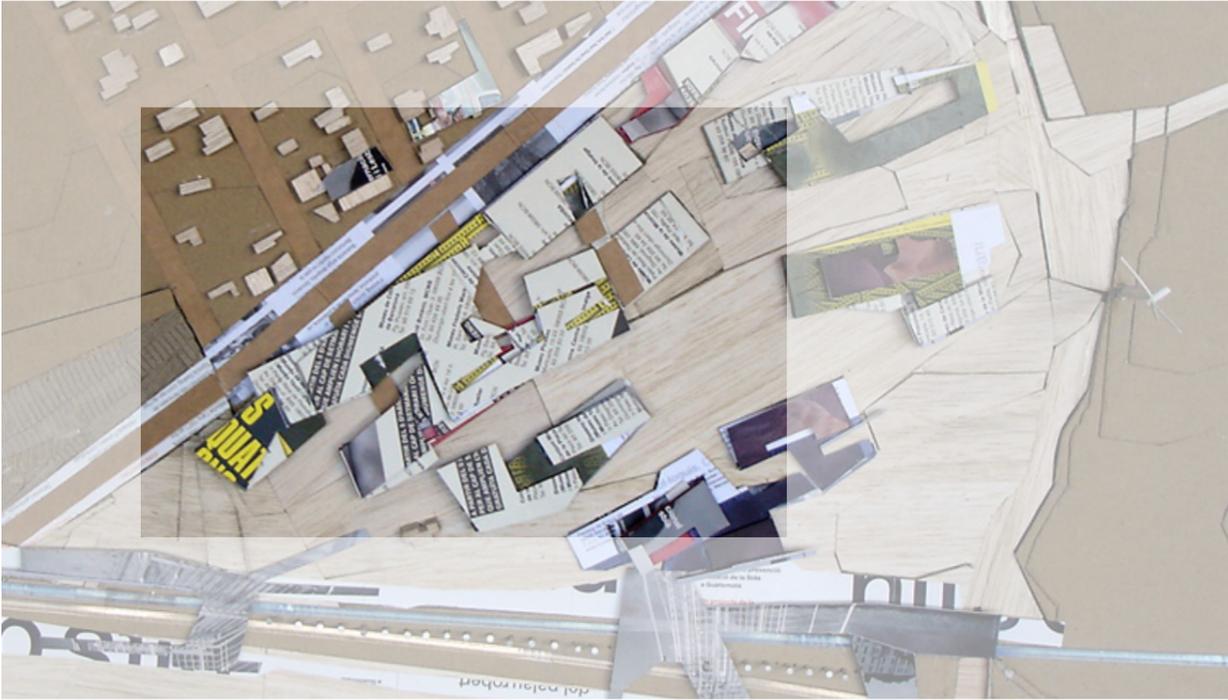
- Salut i Medi, Cat Salut clinics:
 - Orthopedic surgery & Physiotherapy
 - Nutrition
 - Pediatrics
 - Centre of care for the elderly

Environment information centre

- Housing:
 - Free market (Renta lliure)
 - Subsidized housing (concertada)
 - Social protected housing (Protecció oficial)

Winds, noise

- Recycling:
 - Trash, rain water storage, garbage management
 - Sustainability
 - Urban farms, wind turbines, solar panels, cubiertas ecológicas, sensory engagement



HOUSING

ECONOMIC FEASIBILITY

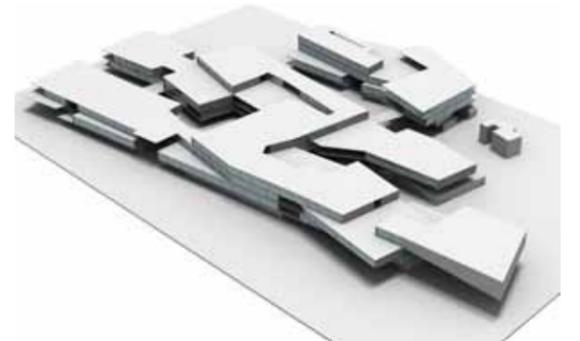
The current global financial crisis and particularly the burst of the real-estate bubble in Spain demands a rethinking of housing as inhabitable infrastructure capable of attracting Public and Private Participation in key sectors such as health care together with corporate partners engaged in the creation, development and management of infrastructure, energy and water.

Description:

- Three different typologies offer a variety of possible layouts between prefab walls, with potential spatial organizations flexible enough to accommodate a wide diversity of needs
- Access and vertical circulation ensure minimum connection distances for each unit
- Interrelation of spaces by gradations of ambient temperature
- The landscape permeates through corridors, car park, access, light wells, voids and terraces, suggesting possible alternative habitats:

Agricultural/farm interiors; therapeutic house; inhabited infrastructure

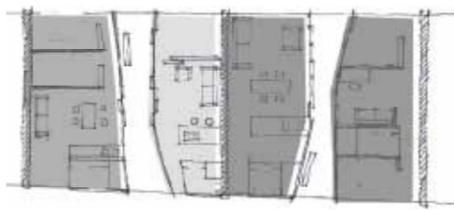
- To develop new lifestyles based on ecological values
- To generate sustainable urban interiors
- To construct a natural territory to increase permeability.



Connection to Sant Joan neighborhood by extending its fabric and increasing its density.

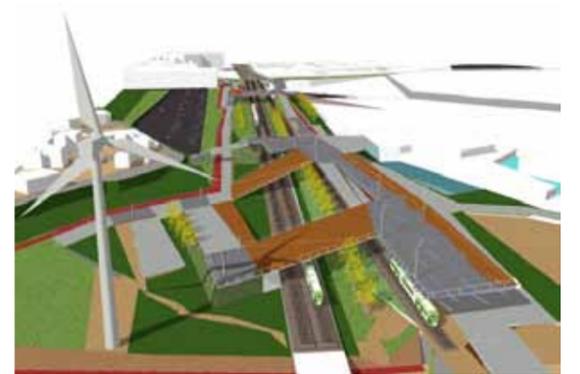
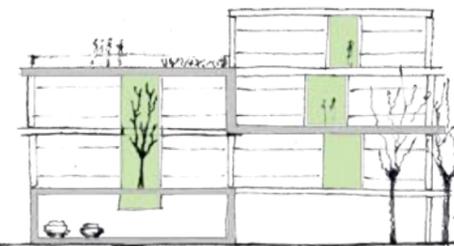
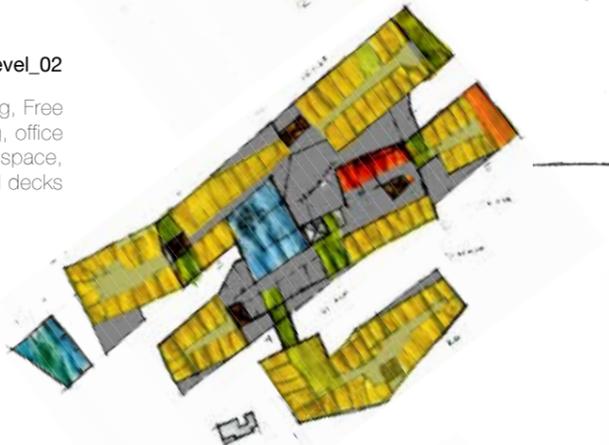
Level_03

Level_02
Protected housing,
Subsidized housing, Free
market housing, office
space



Level_02

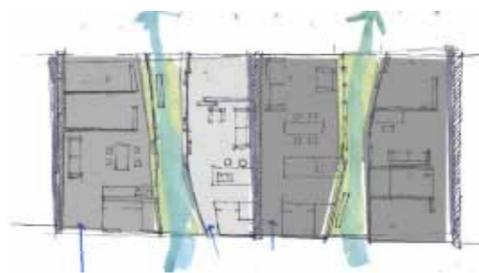
Subsidized housing, Free
market housing, office
space,
ecological decks



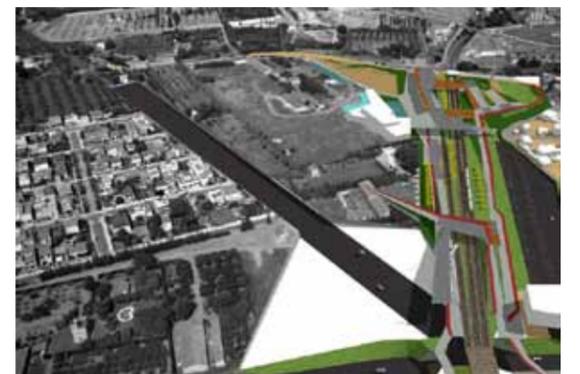
Wind farm, urban beach scenario

Level_01

Protected housing,
Subsidized housing,
commercial areas



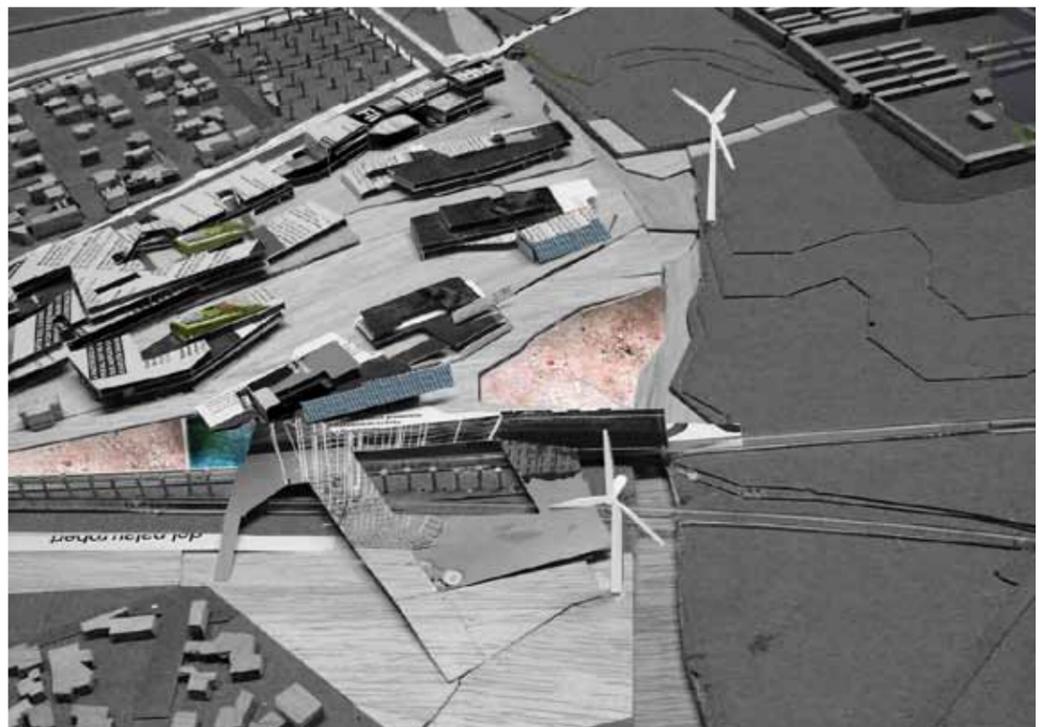
Light wells, patios, and landscape corridors for:
Atmosphere gradations
Exterior-private space as:
Crossing ventilation in summer, Greenhouse on winter
Future possible extensions



Connection of carrer de Llobregat with carrer de Ventura Gassol. Beside the tracks_tram camp and biking

Ground level

Commercial areas and rural
parking



Solar panels, Urban farms, Wind turbines, Cubiertas ecologicas, sensory engagement