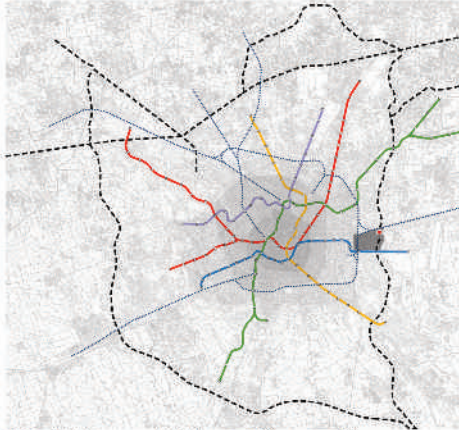
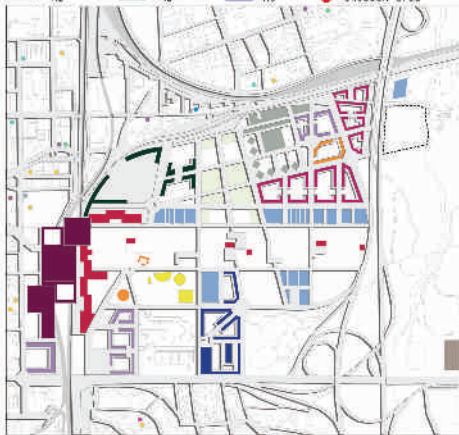




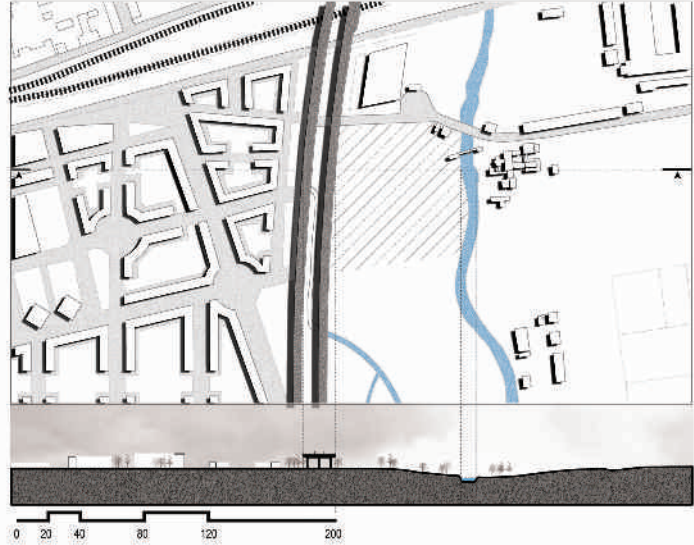
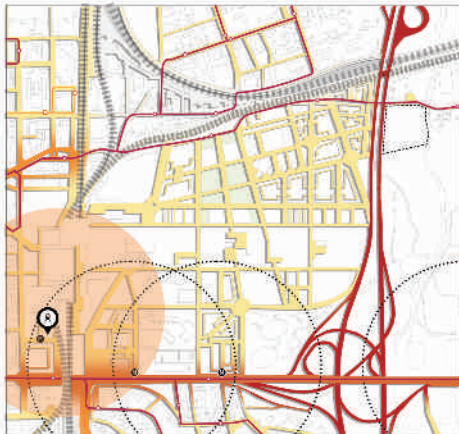
LOCATION



FUNCTION



ACCESSIBILITIES

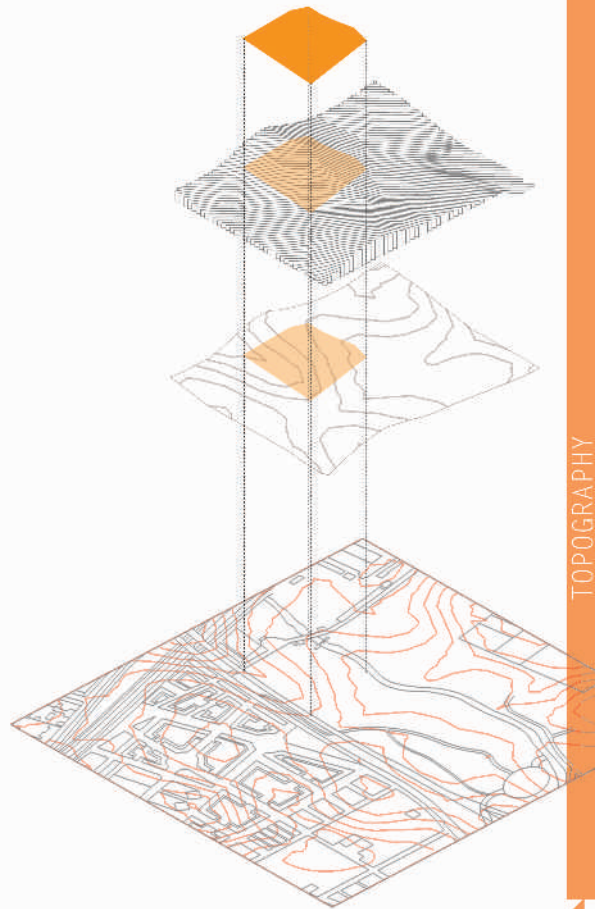
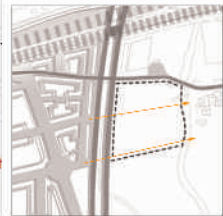


SECTION SITE PLAN

Because of the of the potential of the area near the river, we take it as a part of our masterplan, which is now isolated by the highway. Getting the highway as the positive sight can guide us to connect two side together as the residential.

In the topography of our area, 4 meters different is shown, from N-W to S-E which guide us to design the site according to the grid.

According to the design network of road, we take decision to extend the street until the river

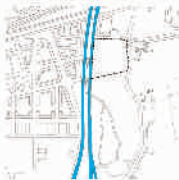
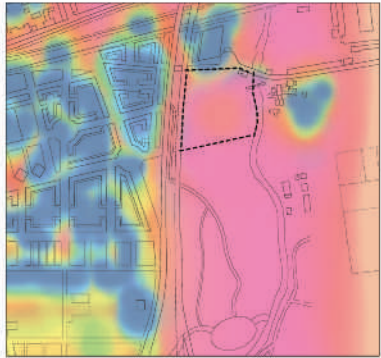


TOPOGRAPHY





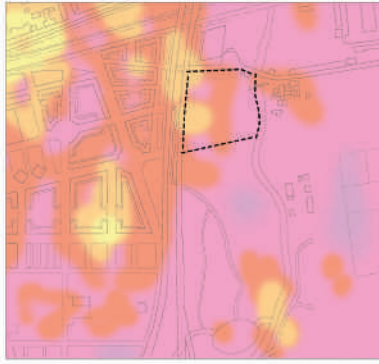
WIND



The site is located in the area has high wind speed and adjacent to the highway with highly traffic flow. Beside the natural wind, wind flow from traffic is also a potential source of energy.



HUMIDITY



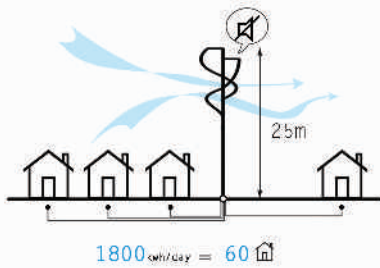
One side of area located in high humidity because of the water system around, this area always have a stable level of humidity from 9.33 to 9.43 g/kg.



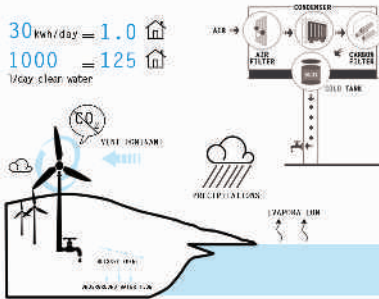
WATER & FLOOD RISK



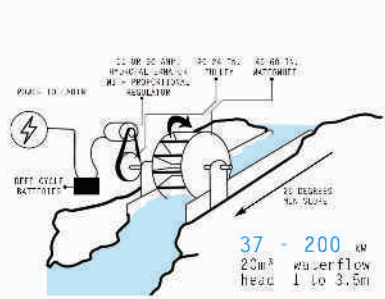
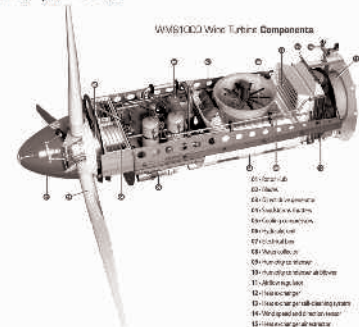
3/4 of the site located in medium risk of flood, the rest part located in low area with depth over than groundwater and also within the design limit between two bank of the river.



Helix Wind. They are able to produce electricity in the variable winds of urban environments, unlike the traditional turbines used at large wind farms. By using the twisted-ribbon shape of a helix, these generators overcome the barriers that have impeded the adaptation of other windmill types to small-scale home use, such as noise, impact and price. "They're silent," "And we haven't had any bird kills."



Air is taken in through vents in the nose cone of the turbine and then heated by a generator to make steam. The steam goes through a cooling compressor that creates moisture which is then condensed and collected. The water produced is sent through pipes down to stainless steel storage tanks where it's filtered and purified.



A water wheel is a machine for converting the energy of free-flowing or falling water into useful forms of power, often in a watermill. Water wheels were still in commercial use well into the 20th century, but they are no longer in common use.





MASTERPLAN



RESIDENTIAL

RESIDENTIAL

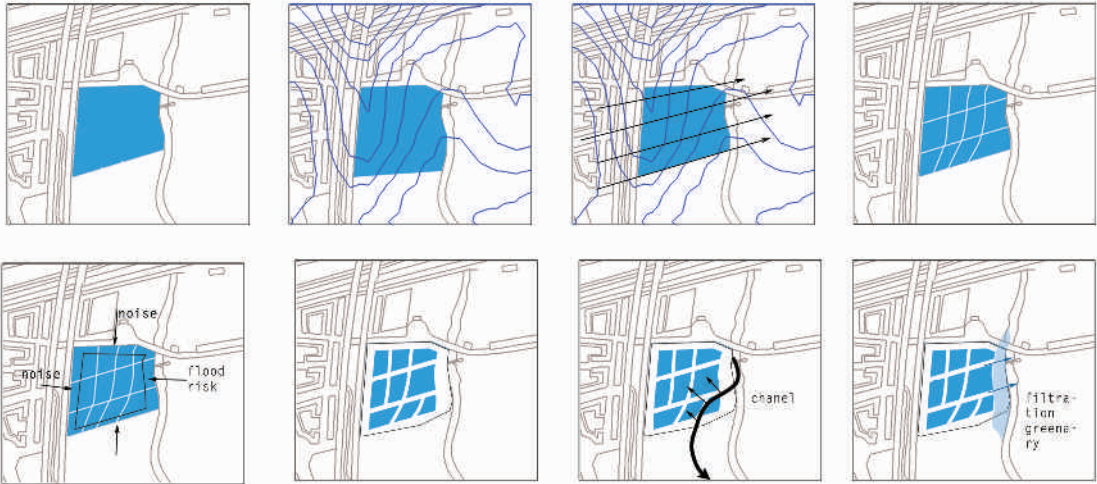
LAMERO RIVER

TANGENZIALE CORRIDOR  
PRIMARY GREEN MOBILITY

RIVER BANK

GREENERY

PROCESS



CASE STUDIES



Calvez / Portugal / 2015



Bejarkonsvarviken / Stockholm / Sweden / 2011



Strecke Wall / Woburne / Austria / 2011



Calvez / Portugal / 2015



Bejarkonsvarviken / Stockholm / Sweden / 2011



Wohnhof der Lärchen skulpturen / Salzburg / 2014