



12°58'16"S
38°30'39"W

Portfolio

Carolina Passos

Urban Designer & Urban Data Specialist

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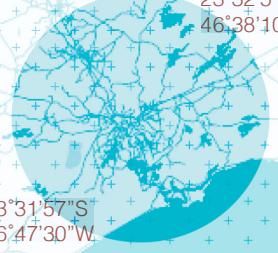
Website

<http://mappinglab.me>

<http://carolinapassos.arq.br>



23°32'51"S
46°38'10"W



23°31'57"S
46°47'30"W



22°54'10"S
43°12'27"W

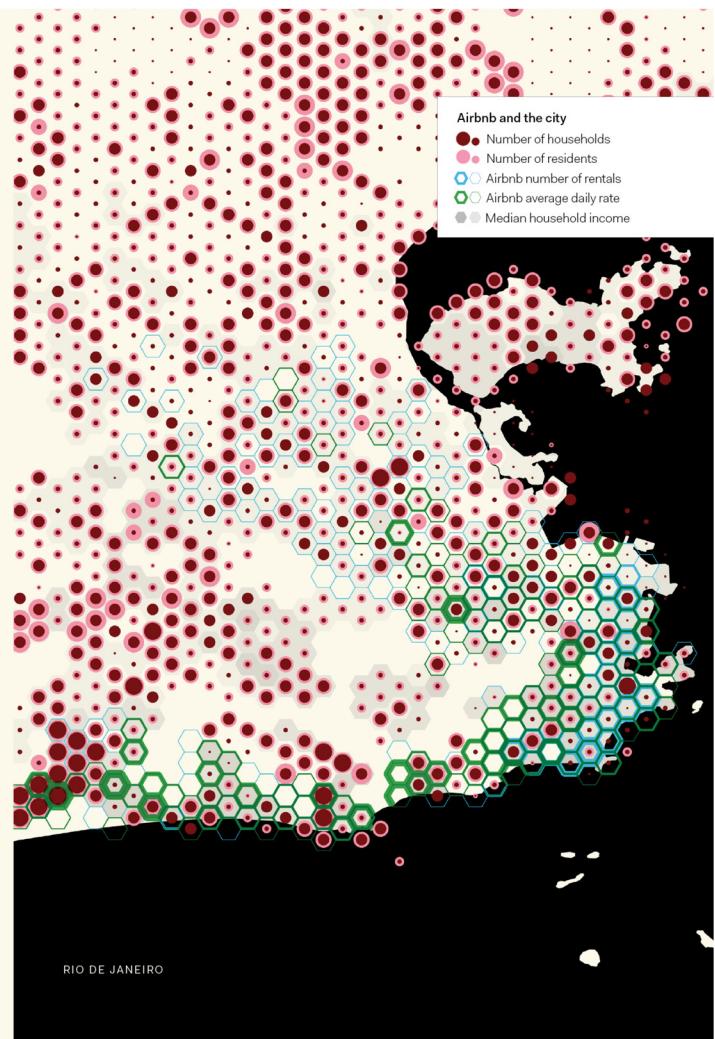
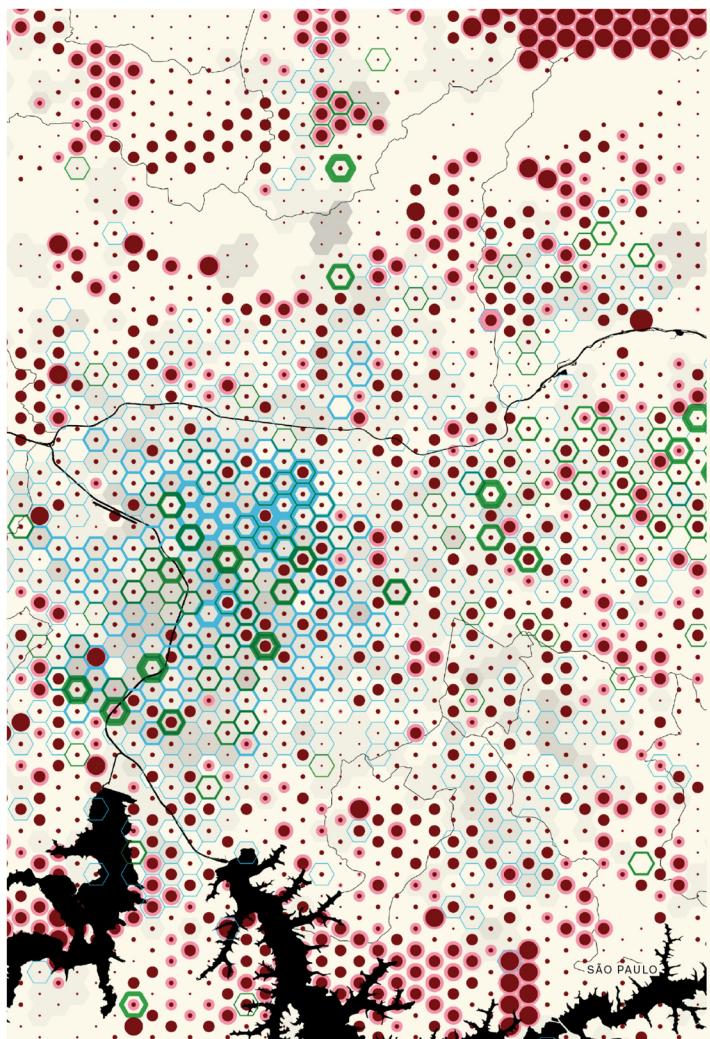
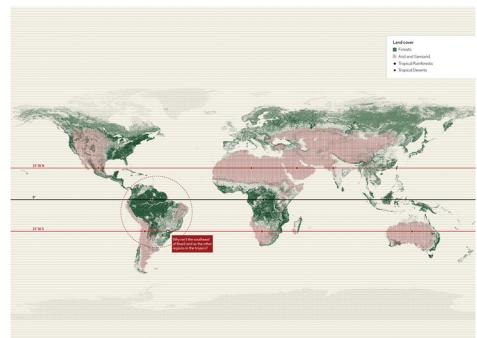
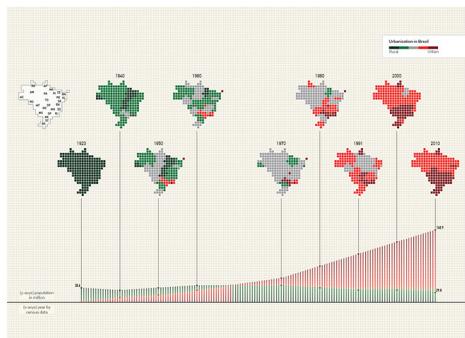
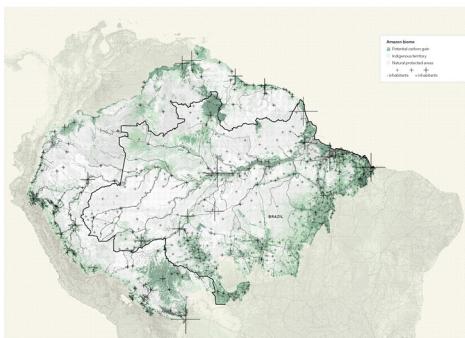
Mapping urban data

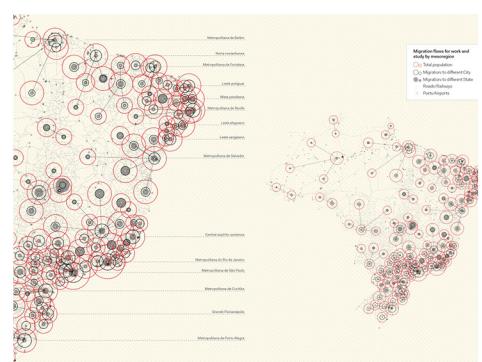
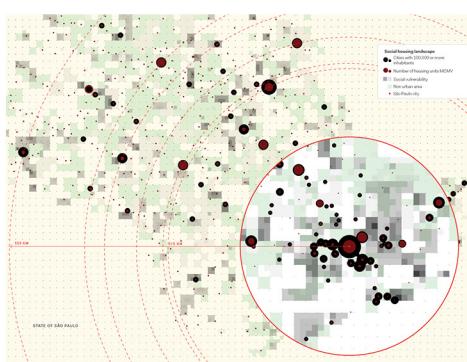
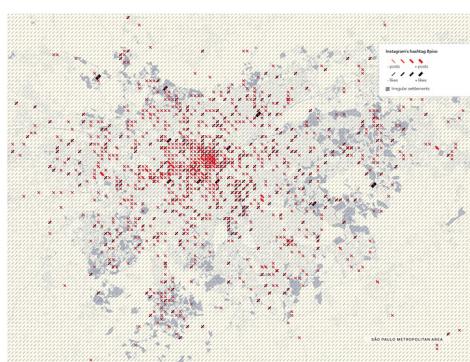
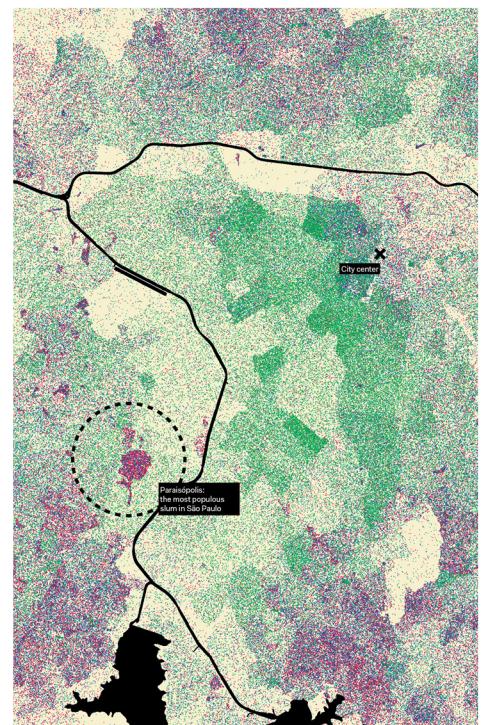
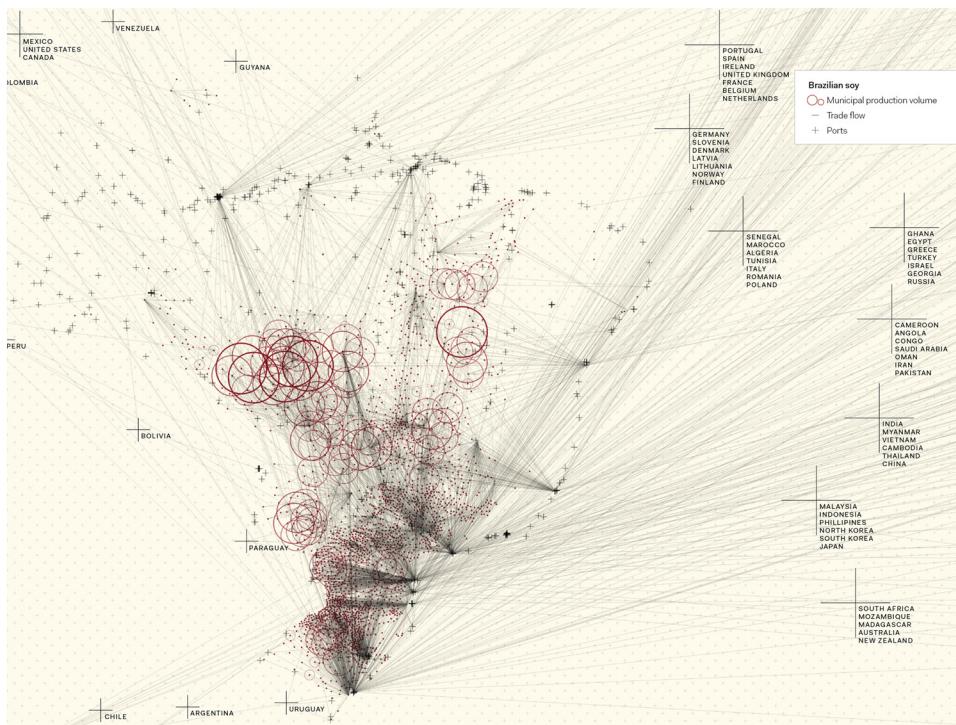
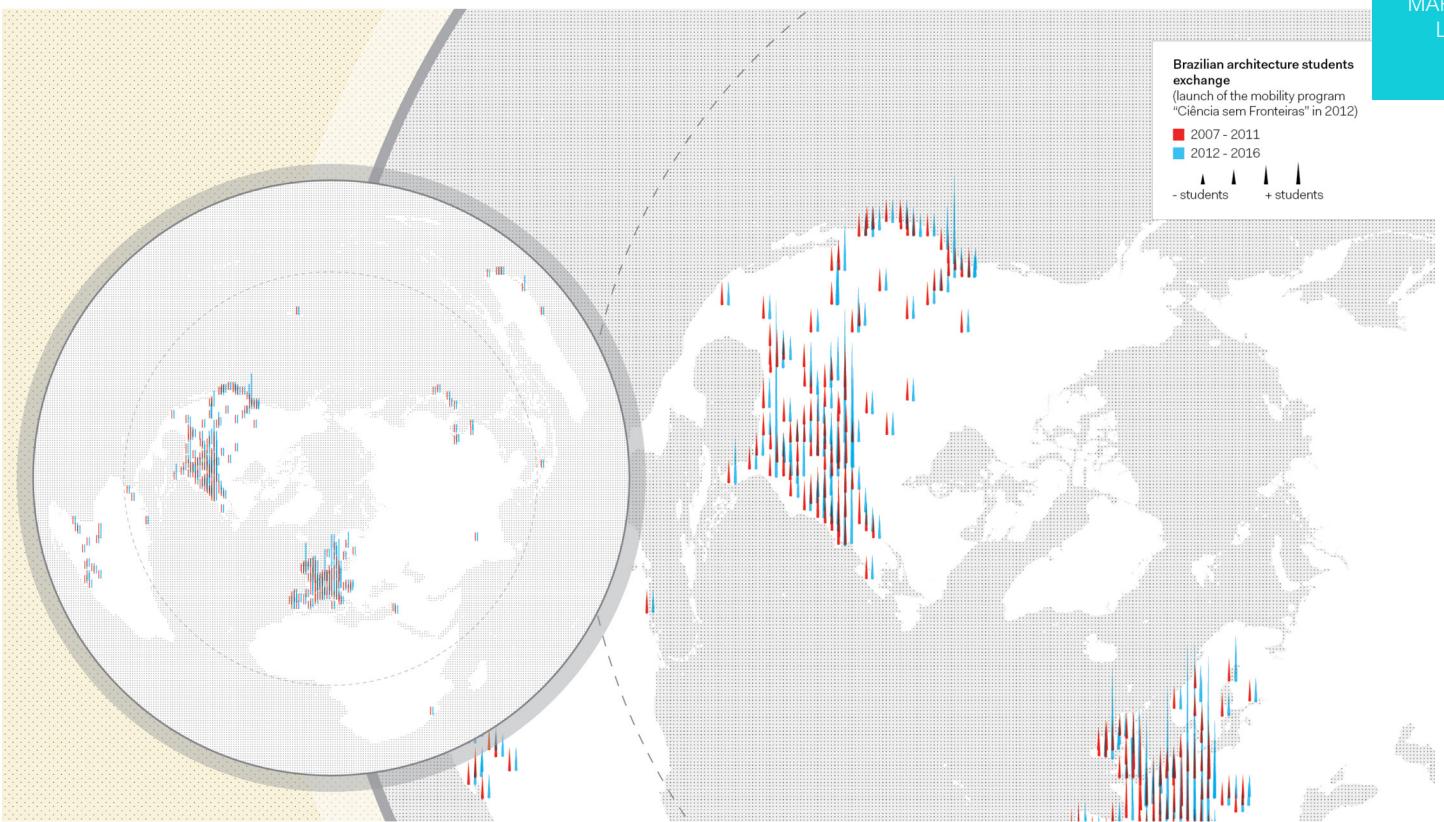
Brazilian Pavilion at Biennale di Architettura di Venezia 2018

This case study proposes a series of 10 maps with the theme “Walls of Air” developed and designed for the Brazilian Pavilion Catalogue at the Venice Biennale. This project was created as a complementation of the main exhibition maps as a way of visualizing different forms of “Walls” resulted from the Brazil’s urbanization processes.

Responsible for developing all the research about each map, data compilation and analysis, map design and presentation.

Work developed by:
<http://www.mappinglab.me>
(Founder & Urban data specialist)



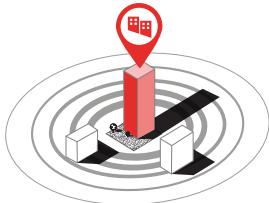


PIU Canindé - Portuguesa

São Paulo

23°32'51"S
46°38'10"W

The urban intervention project Canindé - Portuguesa, with more than 90,000 square meters, pursuit the redevelopment of underutilized or unused key central areas in order to fight against socio-territorial inequalities.



project as an anchor of development and valorization

30%

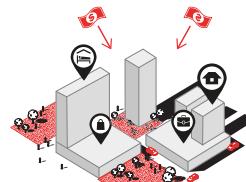
The masterplan provides housing opportunities near downtown, incorporates the environmental agenda, improves urban mobility and urban life by promoting economic and social development.



integrated projects that consolidate the new centrality

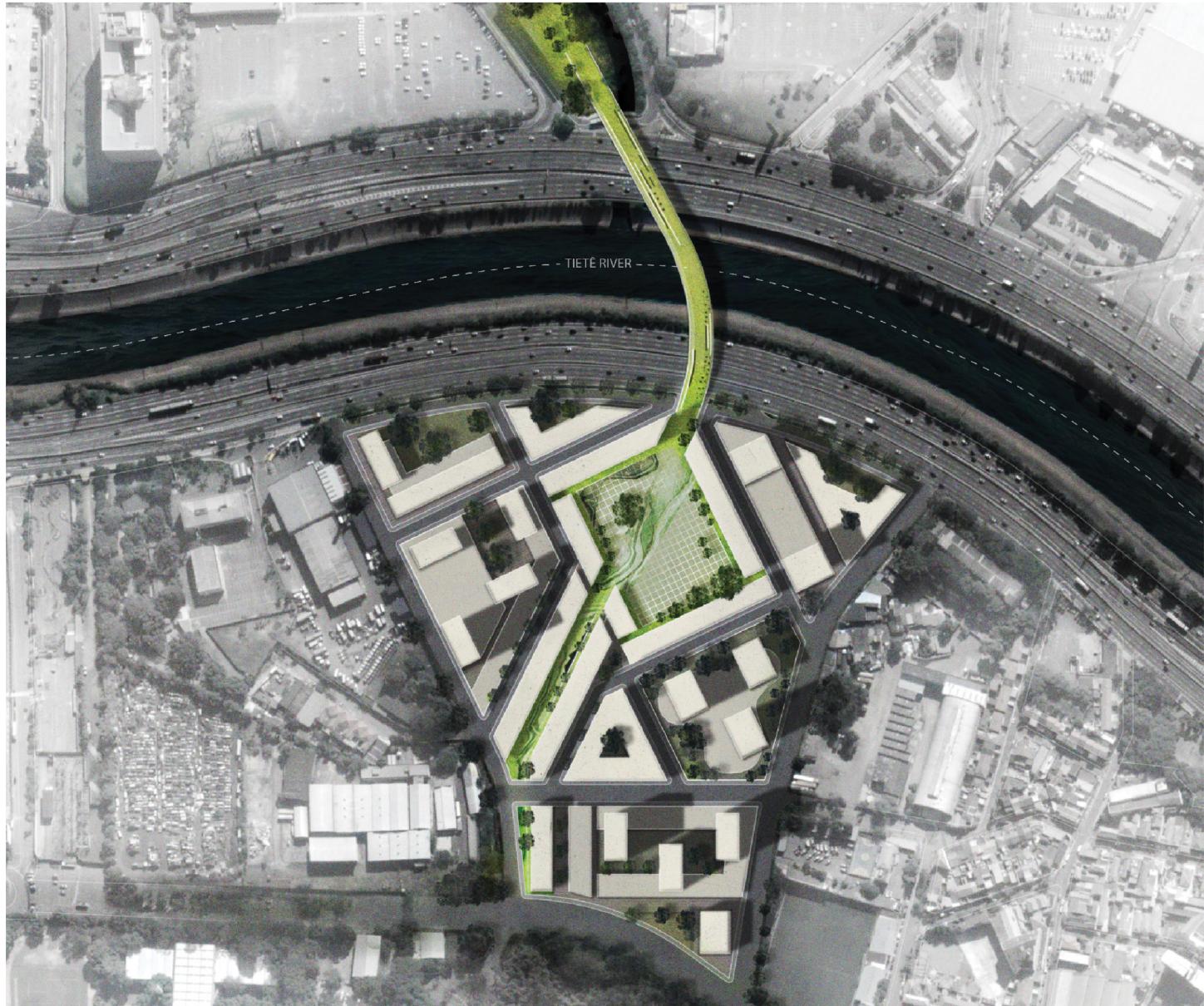
50%

Responsible for analyzing urban typologies, transportation planning, green infrastructure, macrodrainage system, developing the strategic masterplan, concepts drawings, diagrams, presentations and follow-up with the client.



new businesses and activities linked to public spaces

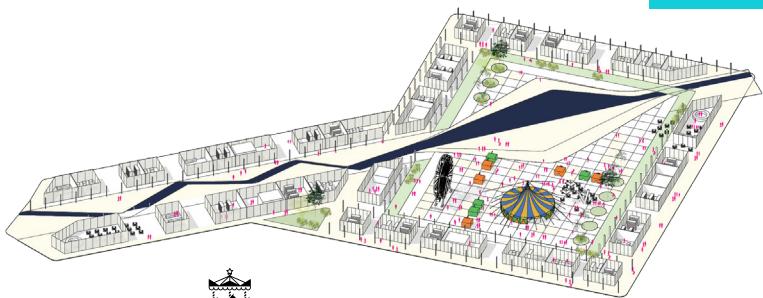
20%



New centrality:
Urban piazza as a flexible
and publicspace



green fairs



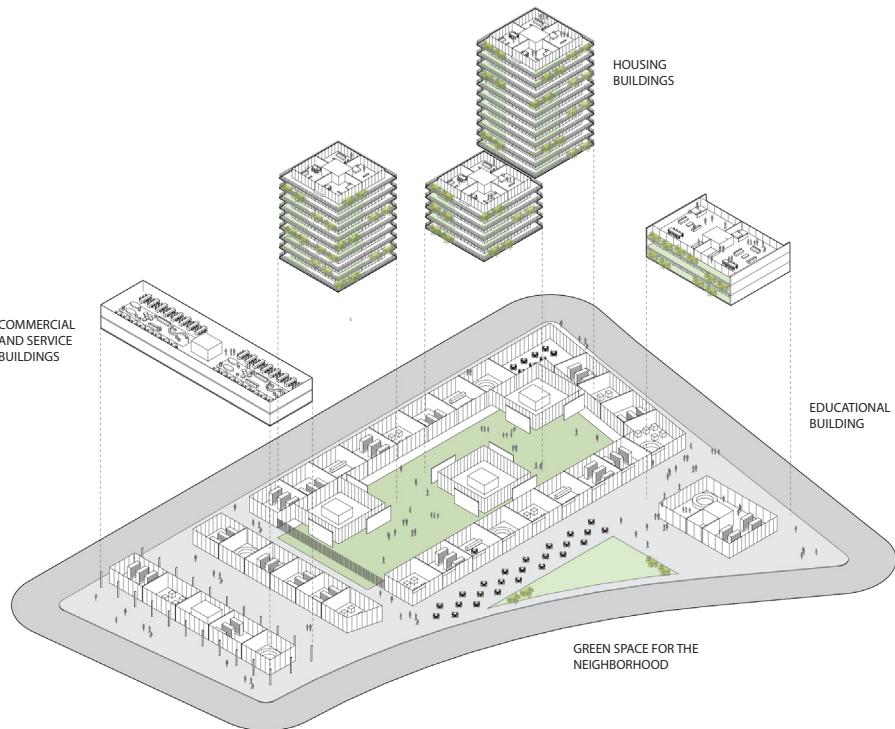
temporary activities



pocket events



big shows



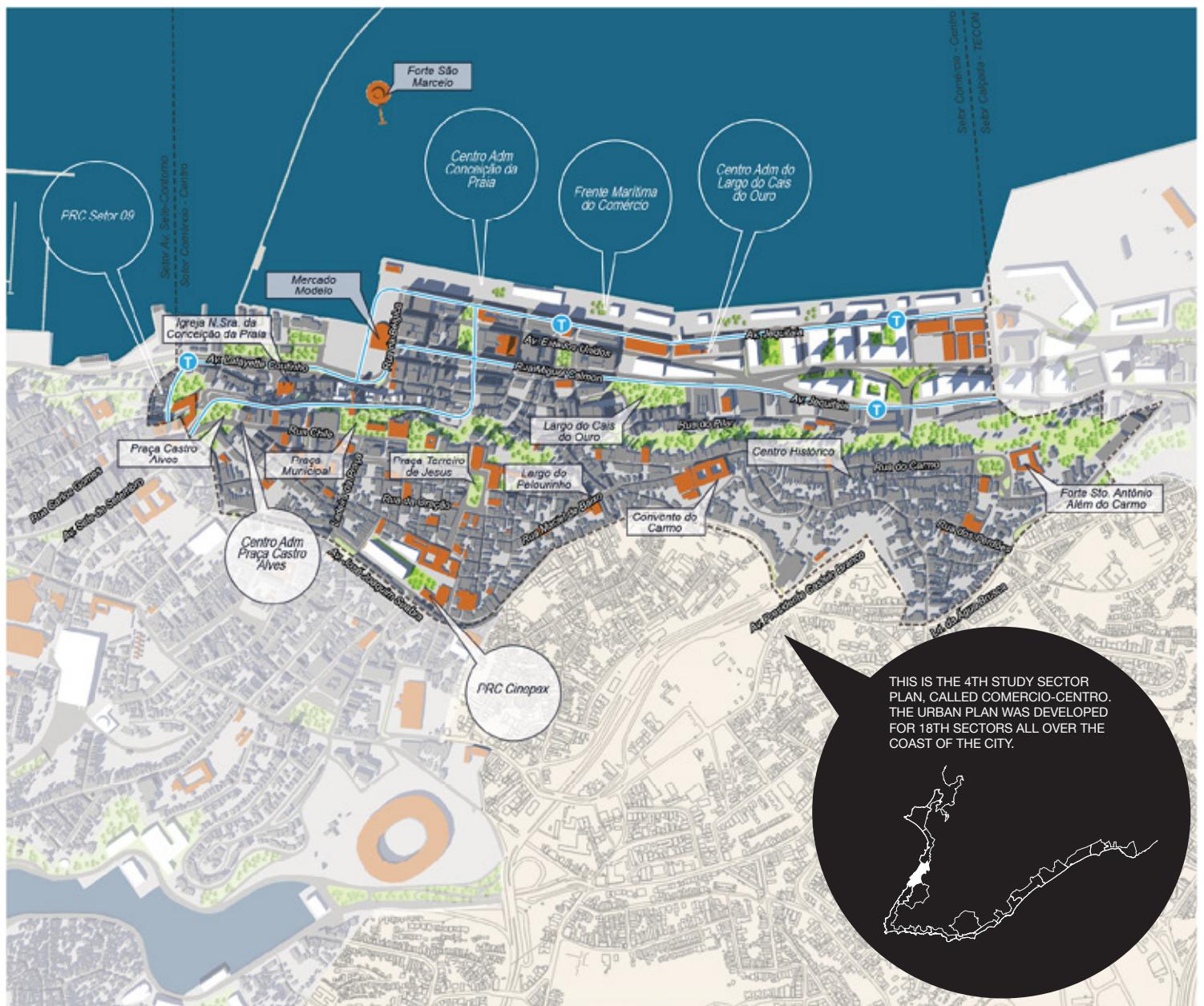
Salvador Coast Urban Development Plan

Salvador, Bahia

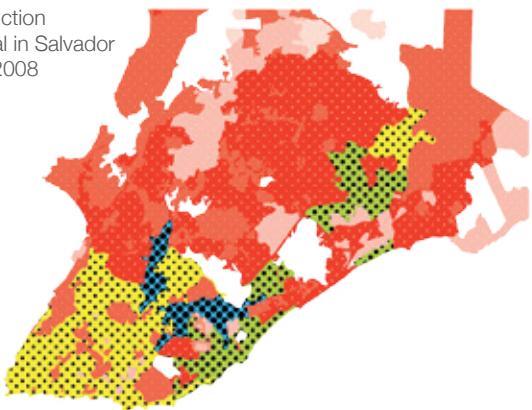
The Urban Plan was developed focusing on the Itapagipe Peninsula, Old Downtown and the Atlantic Coast of Salvador, with 2 400ha. The plan sets the urban transformation for this territory based on its relationship with the preexisting. It's involved the construction of new centralities in the city, which guides the development of different activities and mixed-use by associating and complimenting the existing infrastructure.

Responsible for analyzing urban typologies and transportation planning, developing the masterplan and sector-specific plans, concepts drawings, diagrams, presentations and editorial design.

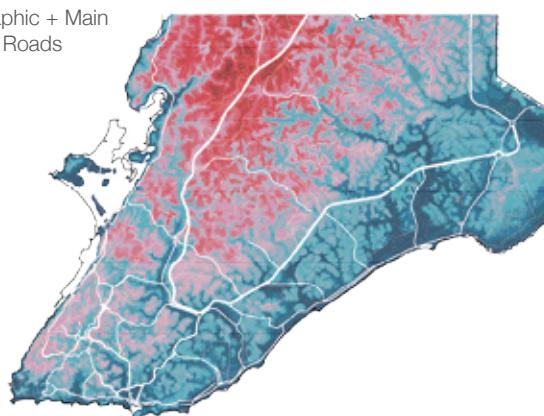
Population Growth
IBGE, 2000-2010



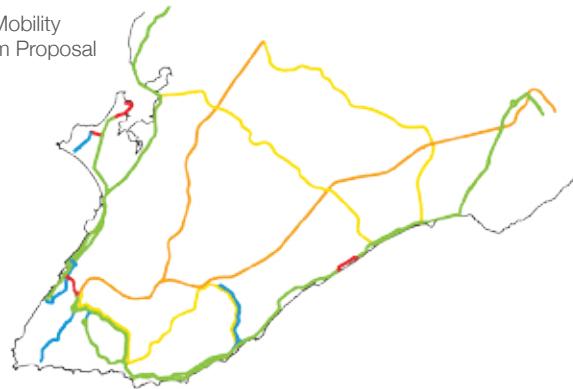
Construction Potential in Salvador
PDDU 2008



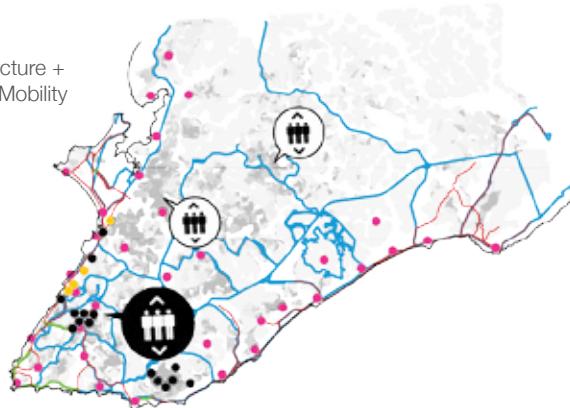
Topographic + Main Existing Roads



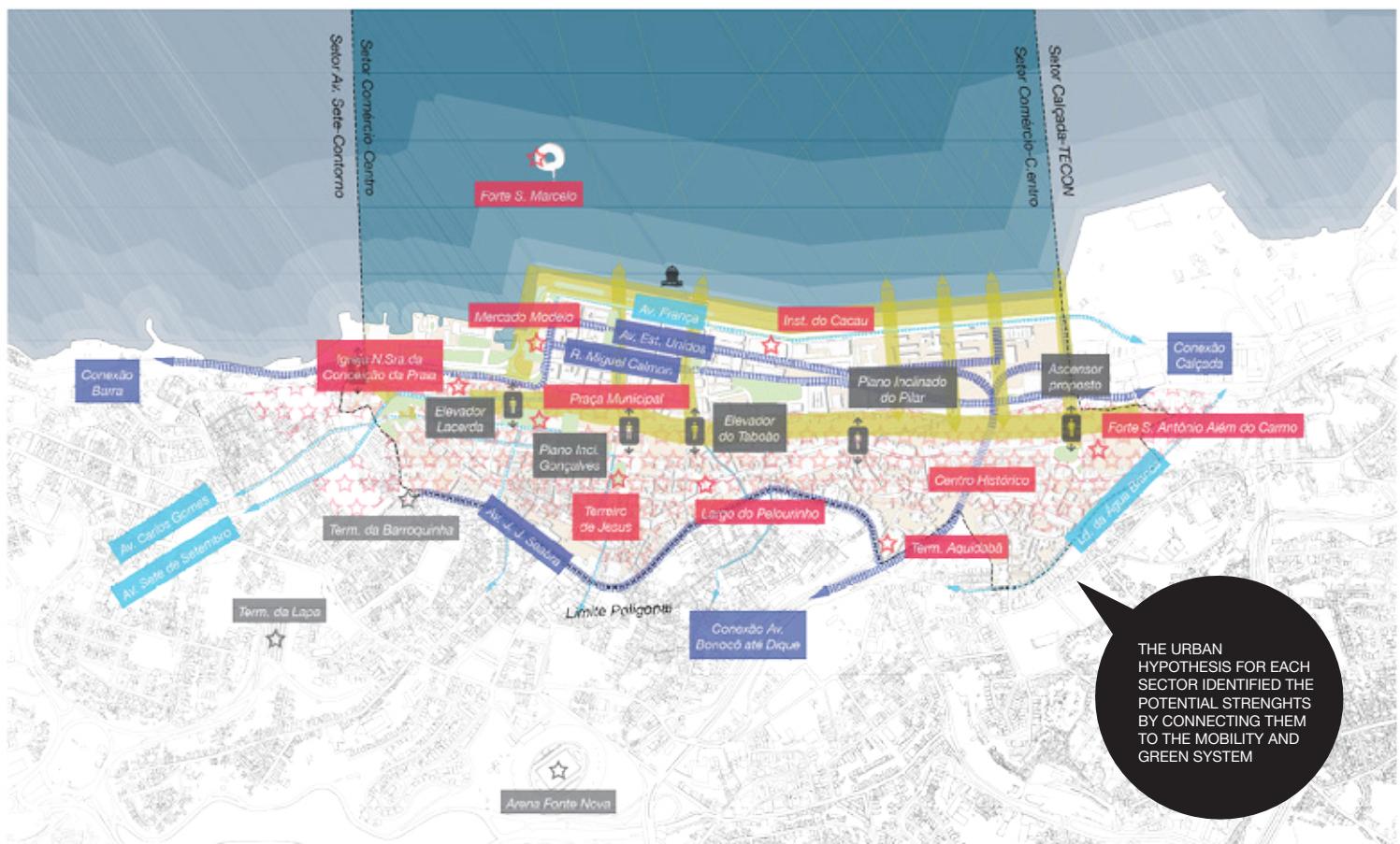
Main Mobility System Proposal



Cycling infrastructure + Vertical Mobility



Urban hypothesis for
Comércio-Centro sector



Rio2016 Deodoro Olympic Park

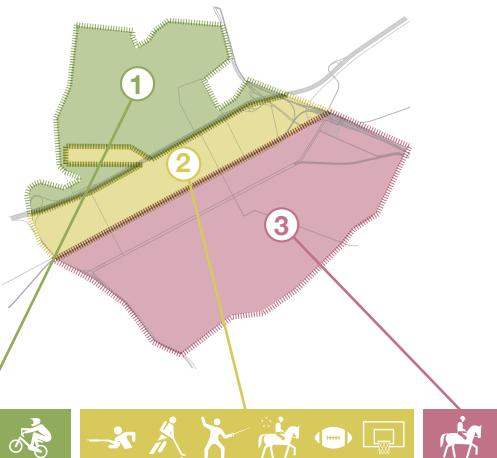
Rio de Janeiro

22°54'10"S
43°12'27"W

The Deodoro Complex is located in the west side of Rio de Janeiro, it's the biggest olympic park in Brazil, with 200ha. It includes 11 olympic sports facilities and will also offer one great legacy for the city and the neighboring communities, the X-Park, the second largest public park in the city.

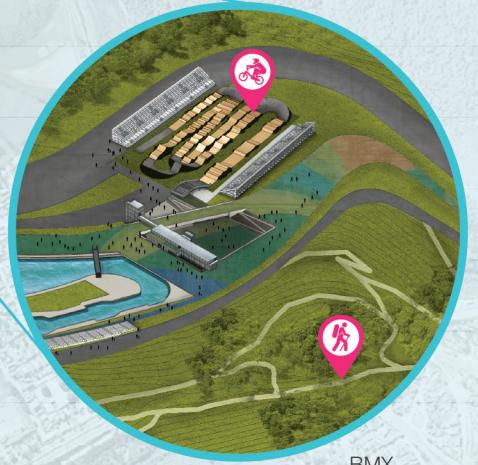
Responsible for developing the masterplan, illustrations, 3D models, concepts and technical drawings of BMX Olympic Centre (01), Canoe Slalom Stadium (01), X-Park facilities (01), National Hockey Centre (04). Also developed diagrams, presentations and visual content of the Youth Arena (03) and the National Shooting Centre (02).

Deodoro Sports Zonning



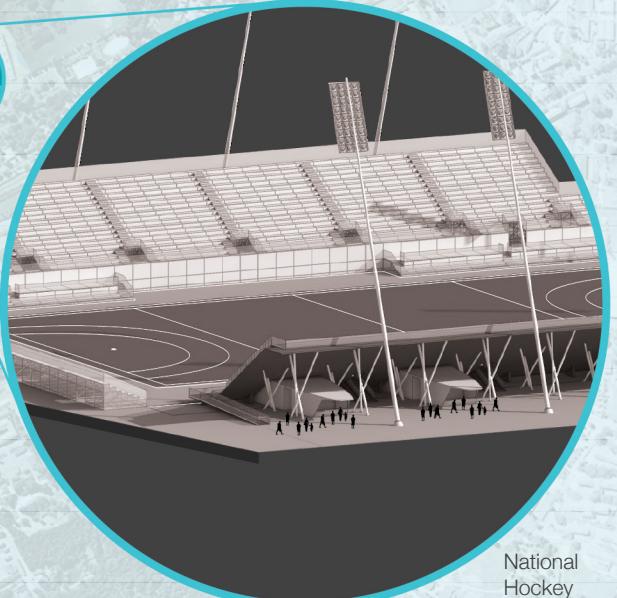
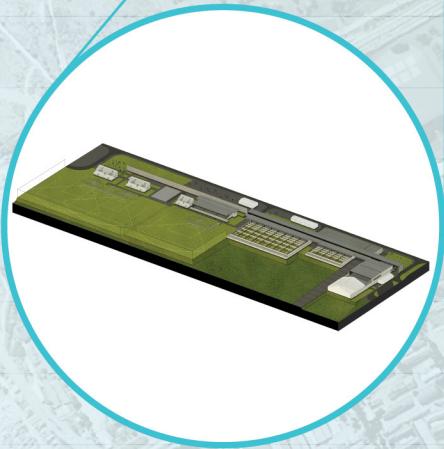
22°54'10"S
43°12'27"W

Canoe
Slalom
Stadium
and X-Park
facilities



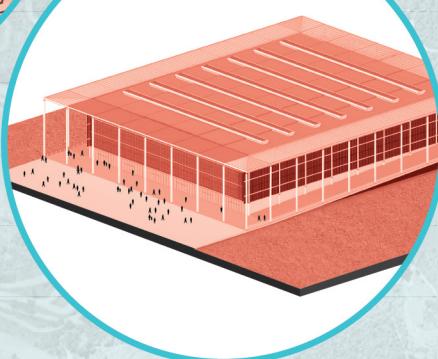
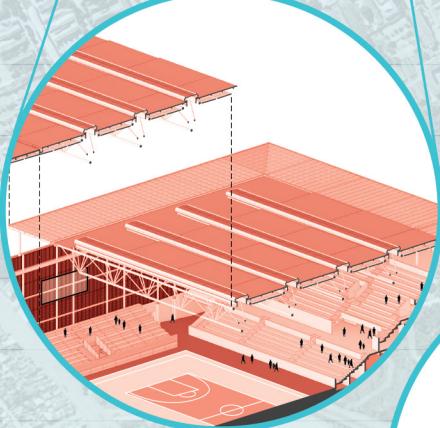
BMX
Olympic
Centre and
X-Park
facilities

National
Shooting
Centre



National
Hockey
Centre

Youth
Arena



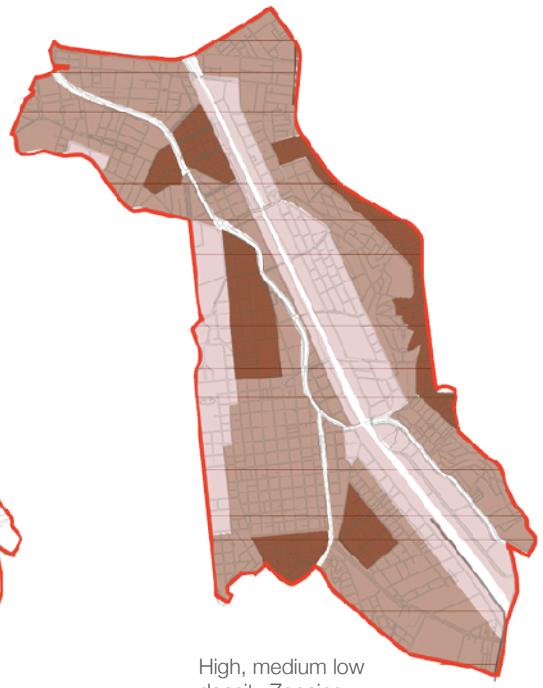
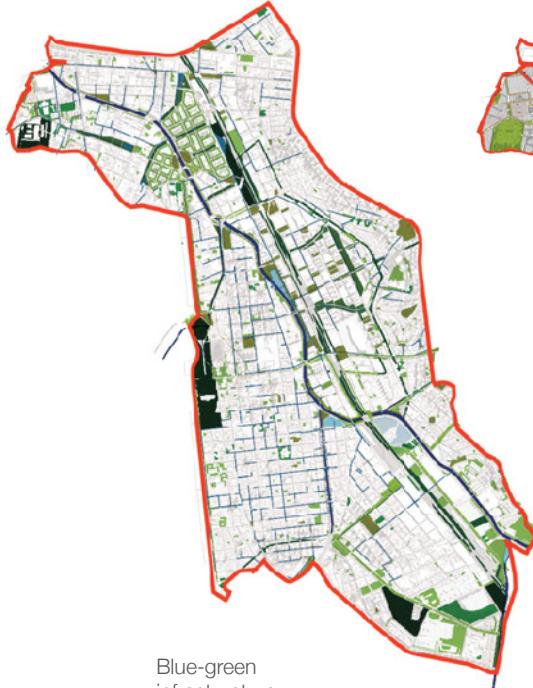
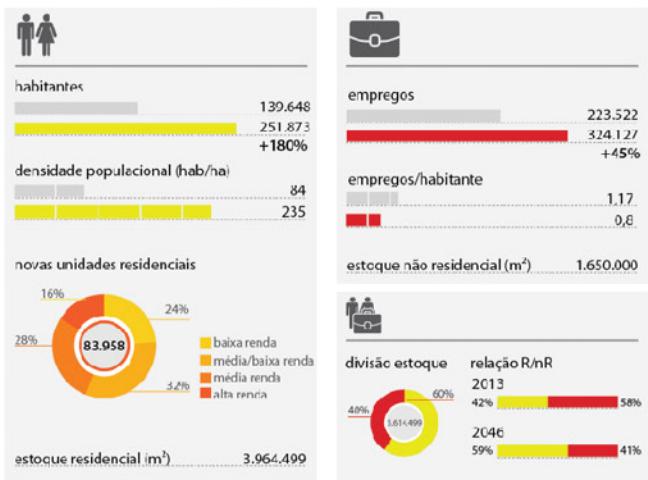
Mooca-Vila Carioca Urban Development Plan

São Paulo

Mooca-Vila Carioca plan was developed to guide the process of urban, economic and social transformations that are occurring in this central industrial region, with 1 600ha. The plan sets actions and integrated interventions to enhance the public infrastructure, such as mobility, blue-green infrastructure, urban rules and housing.

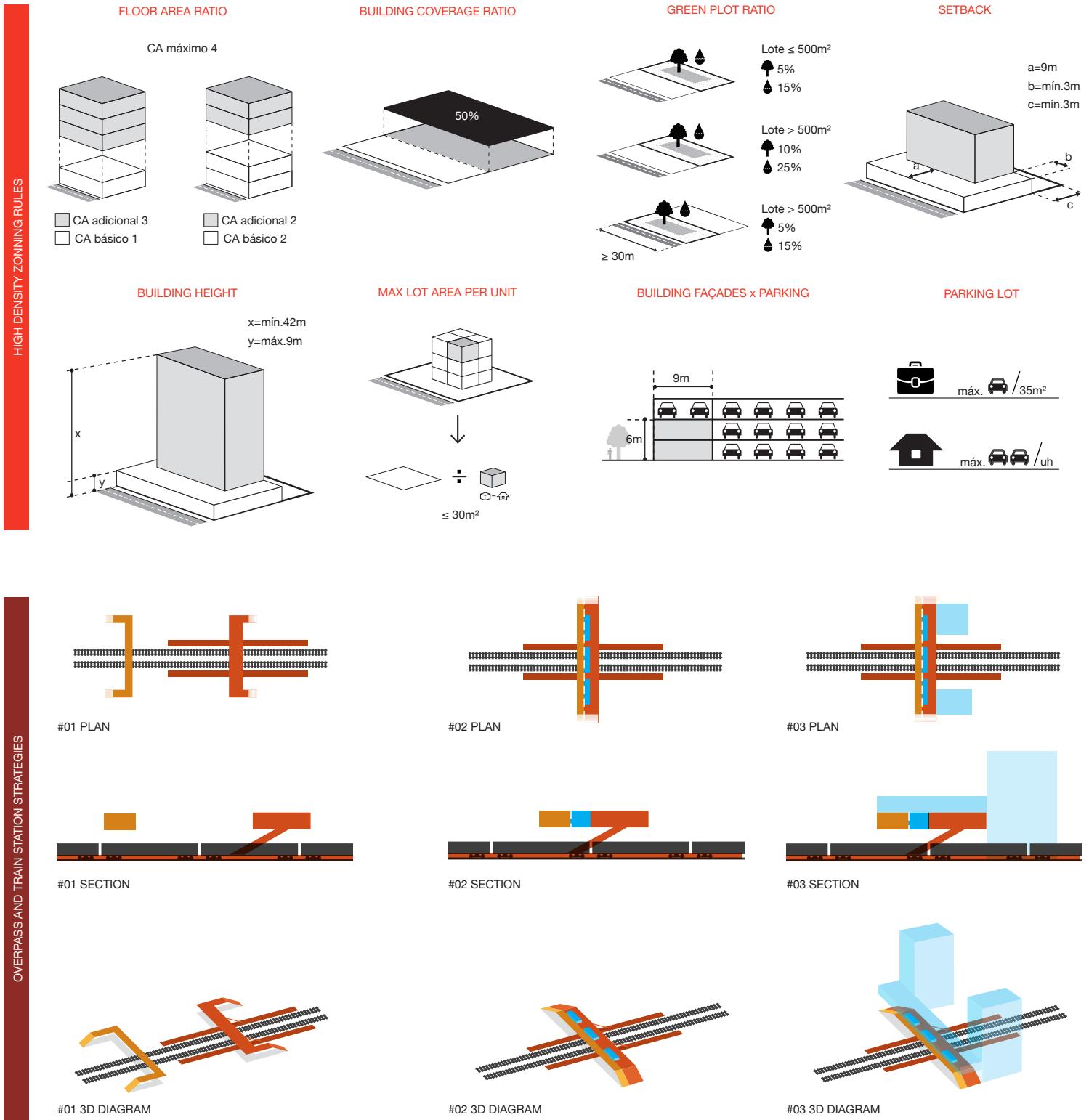
Responsible for analyzing urban typologies, transportation planning and blue-green infrastructure, developing the strategic masterplan, concepts and technical drawings, diagrams, 3D models, presentations, technical reports and follow-up technical environmental consultants.

Strategic Masterplan



Combination of Overpass and Train Station



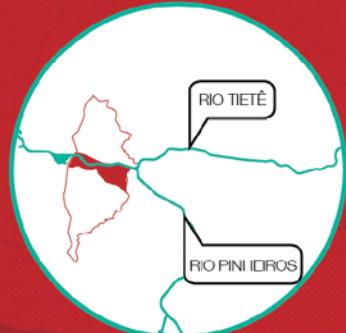


Osasco Tietê Urban Axis Areas Development Plan

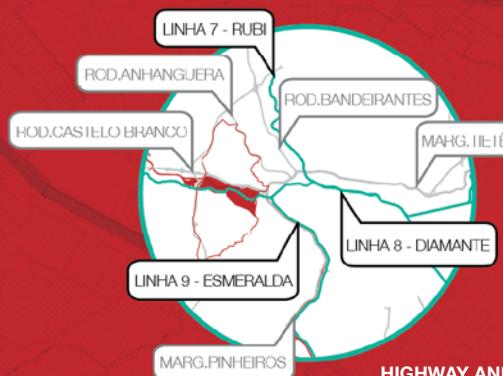
Osasco, São Paulo



This plan sets guidelines for the implementation of infrastructure and better use of Tietê Urban area by presenting concepts and strategies over a territory that can be renovated without losing their current qualities, especially the large concentration of economic activities.



MACRODRANAIGE NETWORK



HIGHWAY AND RAILWAY NETWORK

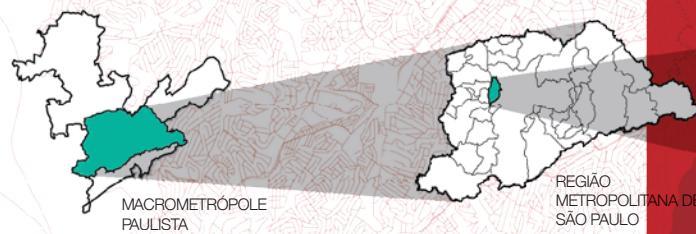
Responsible for analyzing urban typologies, transportation planning, blue-green infrastructure, developing the masterplan and sector specific plans, concept drawings, diagrams, 3D models, editorial concept definition and design.



RELATION WITH OTHER URBAN DEVELOPMENT PLANS

REGIONAL SCALE

LOCAL SCALE



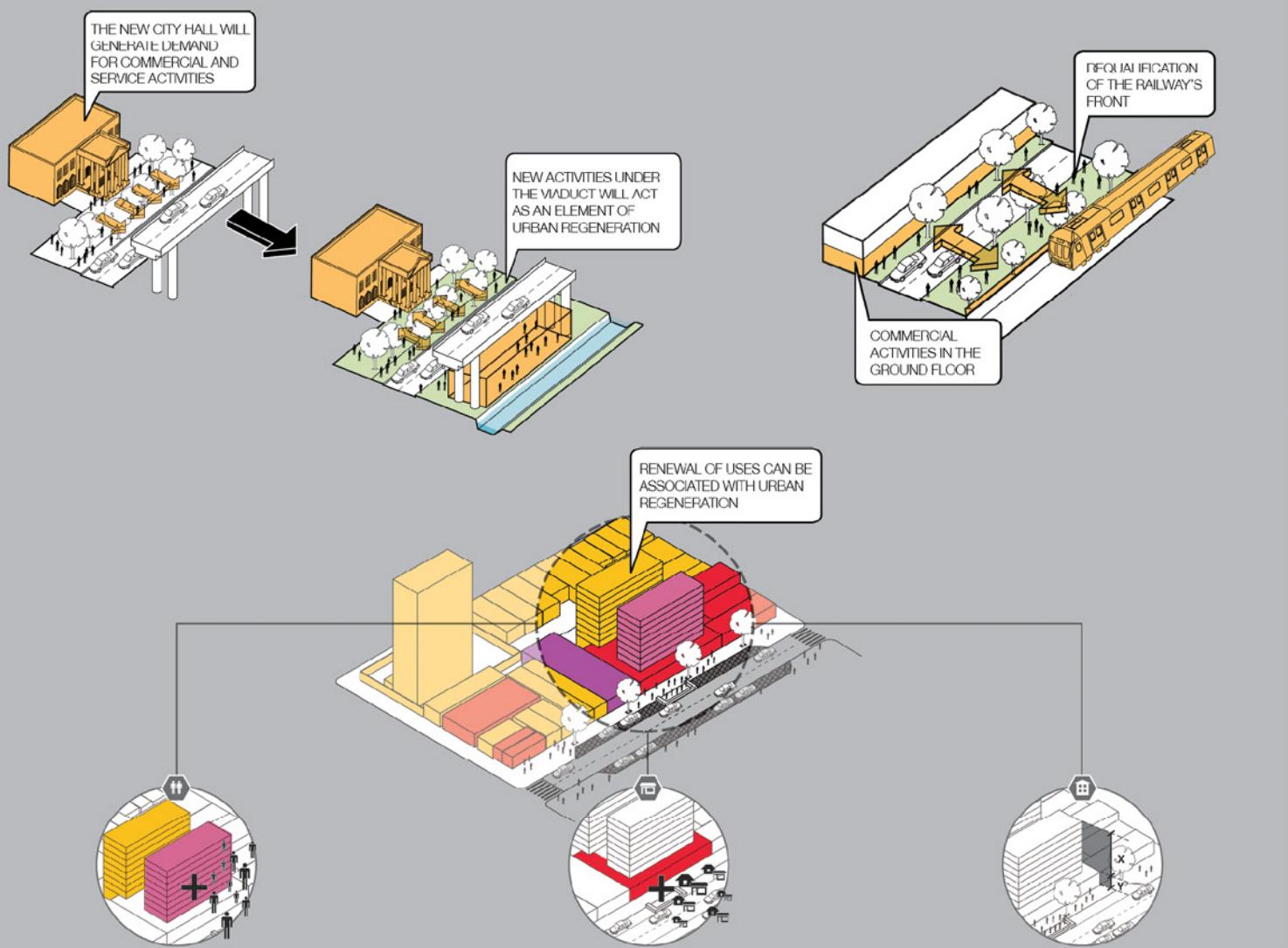
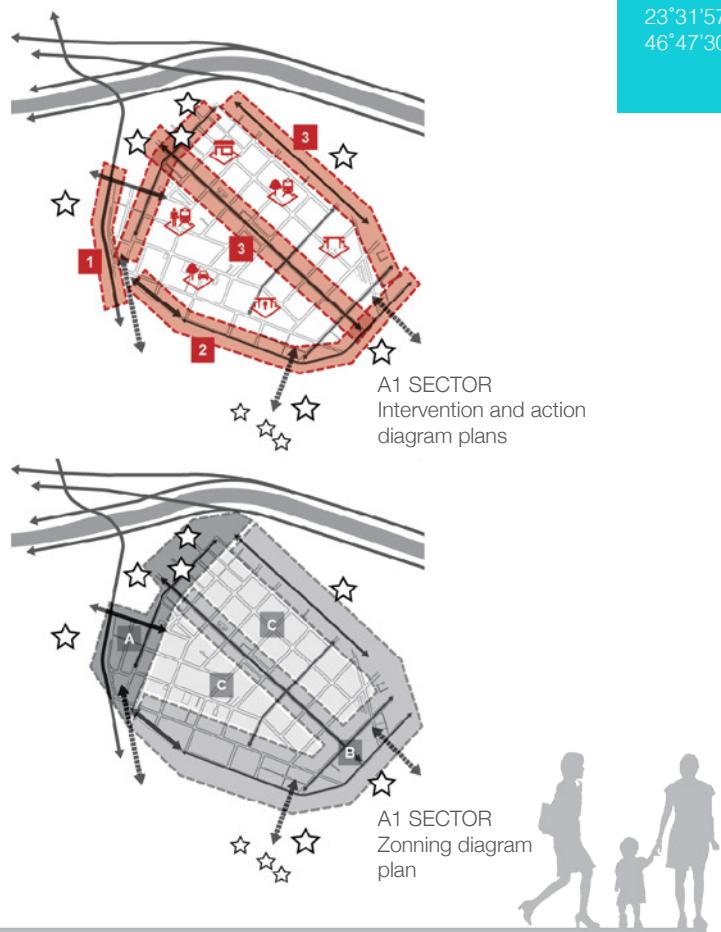
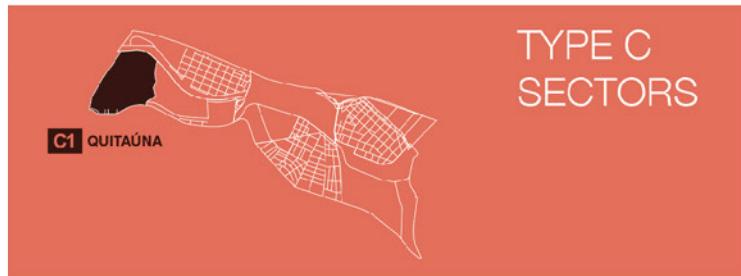
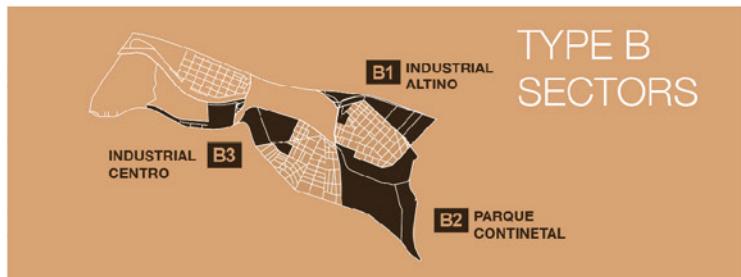
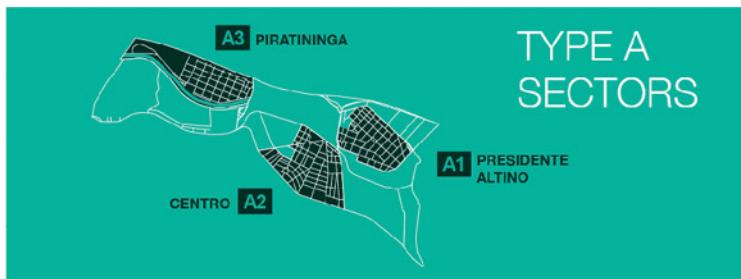
MACROMETRÓPOLE PAULISTA

REGIÃO METROPOLITANA DE SÃO PAULO



MUNICÍPIO DE OSASCO

ÁREA DO EIXO TIETÊ OSASCO



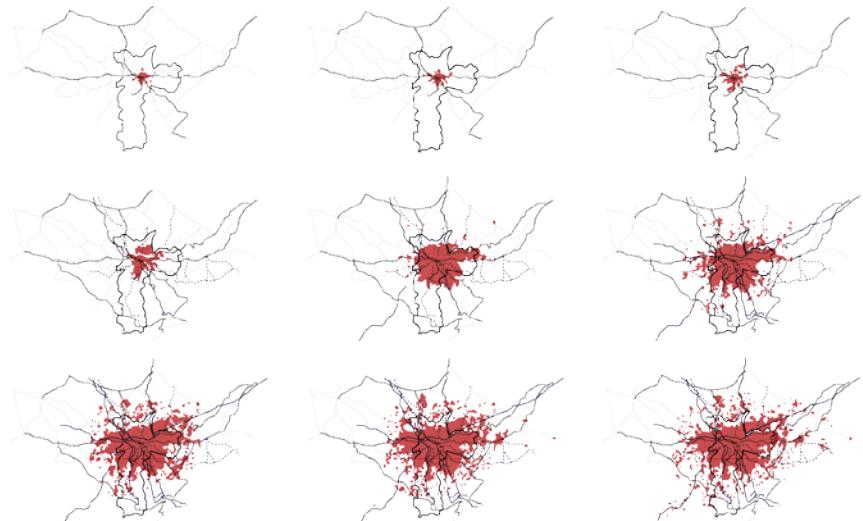
Arco Tietê Urban Development Strategies

São Paulo

The Arco Tietê urban project is the central area inside the Arco do Futuro program, which has as goal the urban development of the Tietê river neighboring districts, with more than 6 000ha. The strategy plan provides the urban redevelopment of industrial areas in order to bring housing and jobs closer. Another goal is to set new territorial centralities by complementing the preexisting infrastructure and its connection with the green network.

Responsible for analyzing urban typologies, transportation planning, green infrastructure, macrodrainage system, developing the strategic masterplan, concepts drawings, diagrams, presentations and follow-up technical environmental consultants.

Territorial evolution of São Paulo



Arco Tietê:
The articulation between the
regional and local scales



Metropolitan urban rings



Metropolitan urban rings connections



São Paulo urban ring roads network

1



2

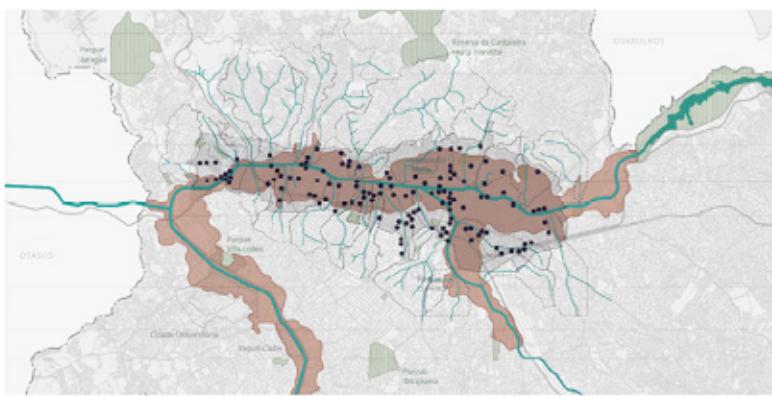


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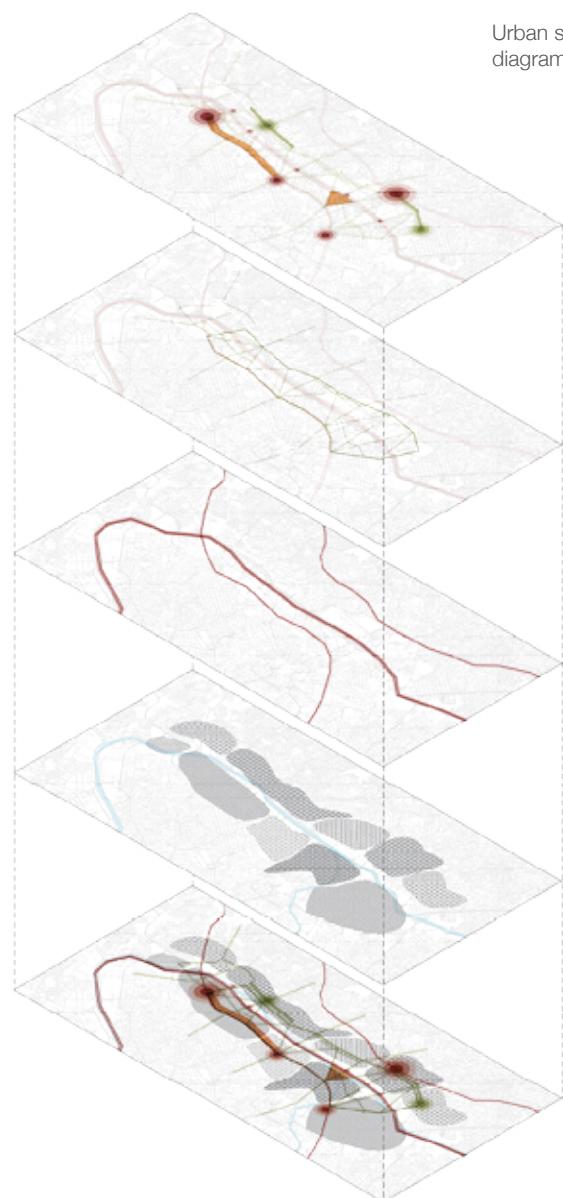


Conceptual diagrams:
1. Compact city and polycentric
2. Mixed-use
3. Mixed-income development

Urban analysis:
Macrodrainage system
Street network
Industrial zone



Urban strategies
diagram plan



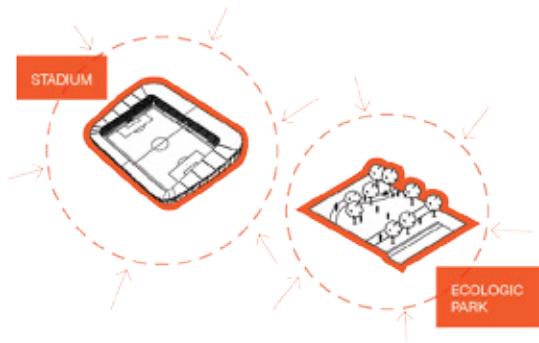
Rochdale Mixed-use Sports Complex Proposal

Osasco, São Paulo

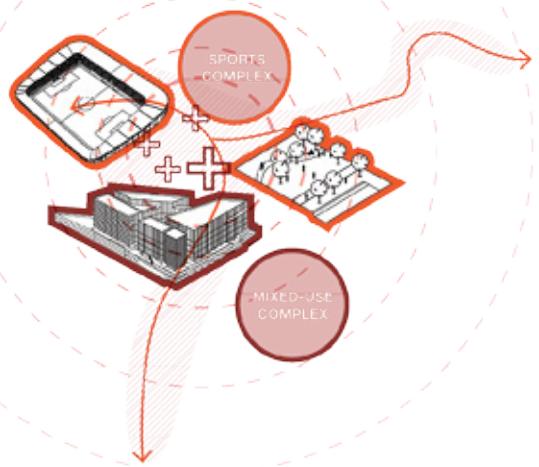
The proposal connects existing public areas to the project intervention (public+private sectors) to built a new centrality in the city of Osasco. In this way, the project matches a

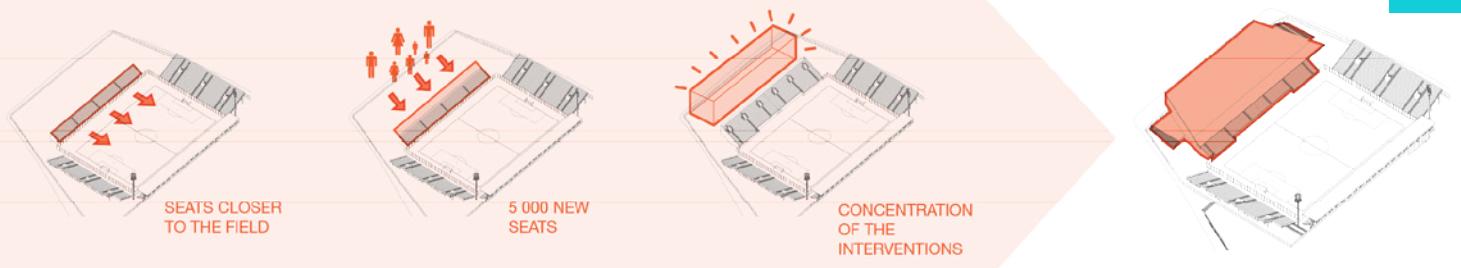
Sports and Mixed-use Complex with the blue-green pre-existing infrastructure, transforming this area in a strategic axis for the development of new activities and uses.

Responsible for analyzing blue-green infrastructure, urban fabric, developing the masterplan, concepts drawings, diagrams and presentations.

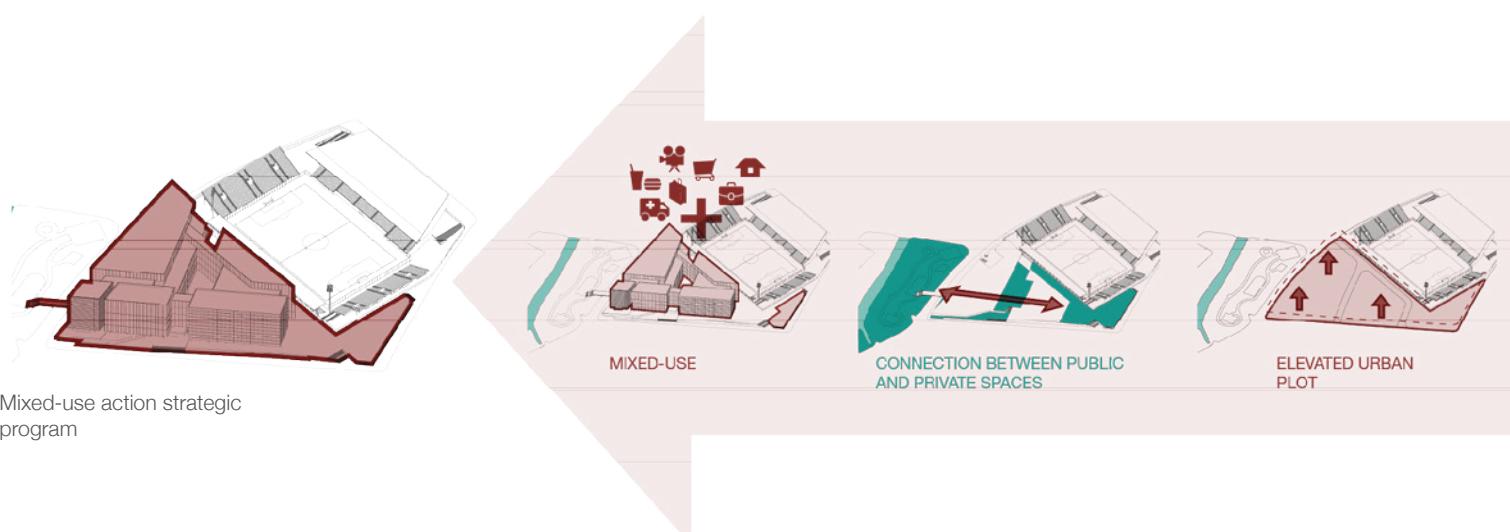
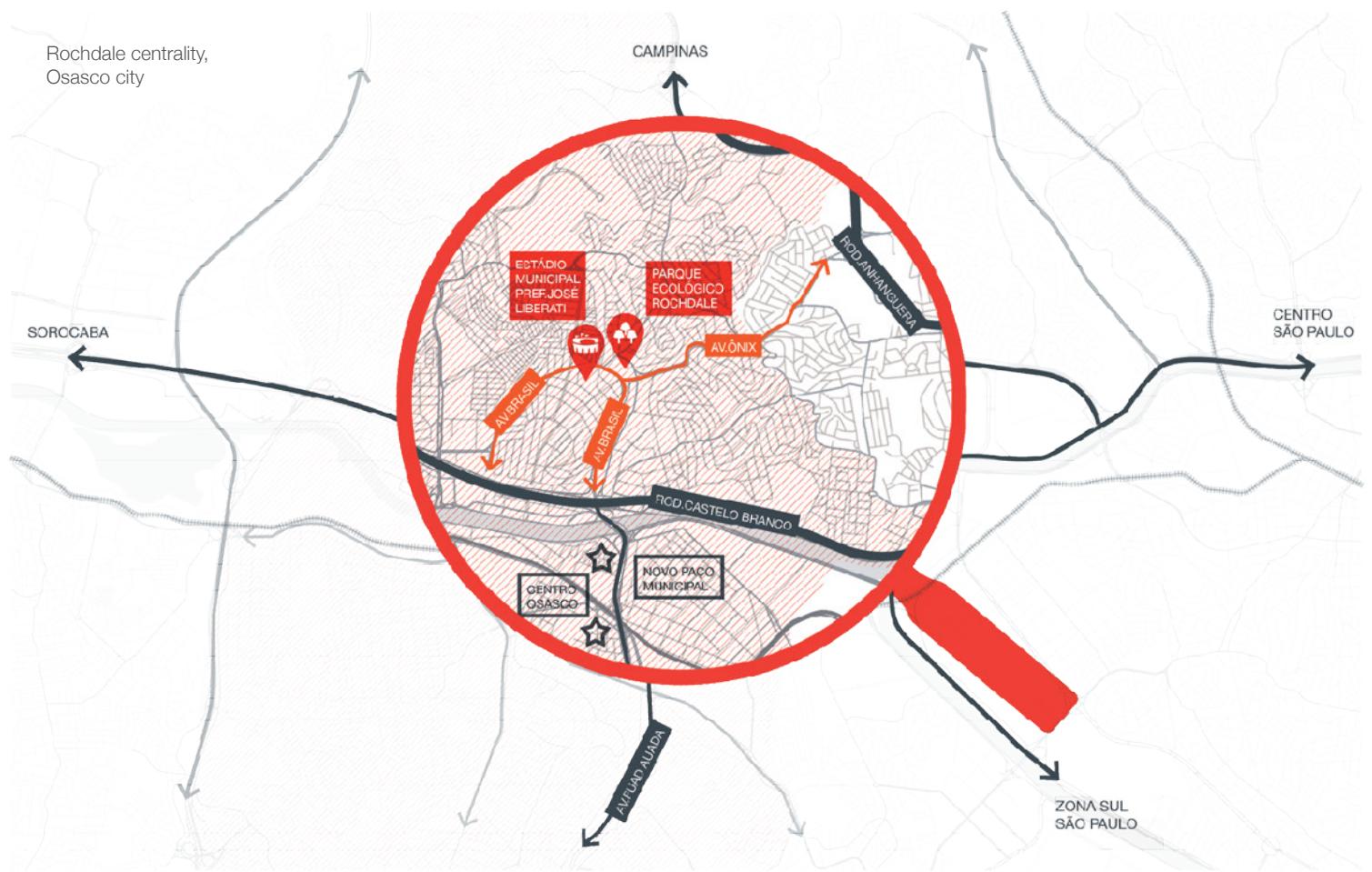


Integrated actions
brings value to public
and private spaces





Sports Complex action strategic program



National Complex Museum Masterplan

Administrative City, South Korea

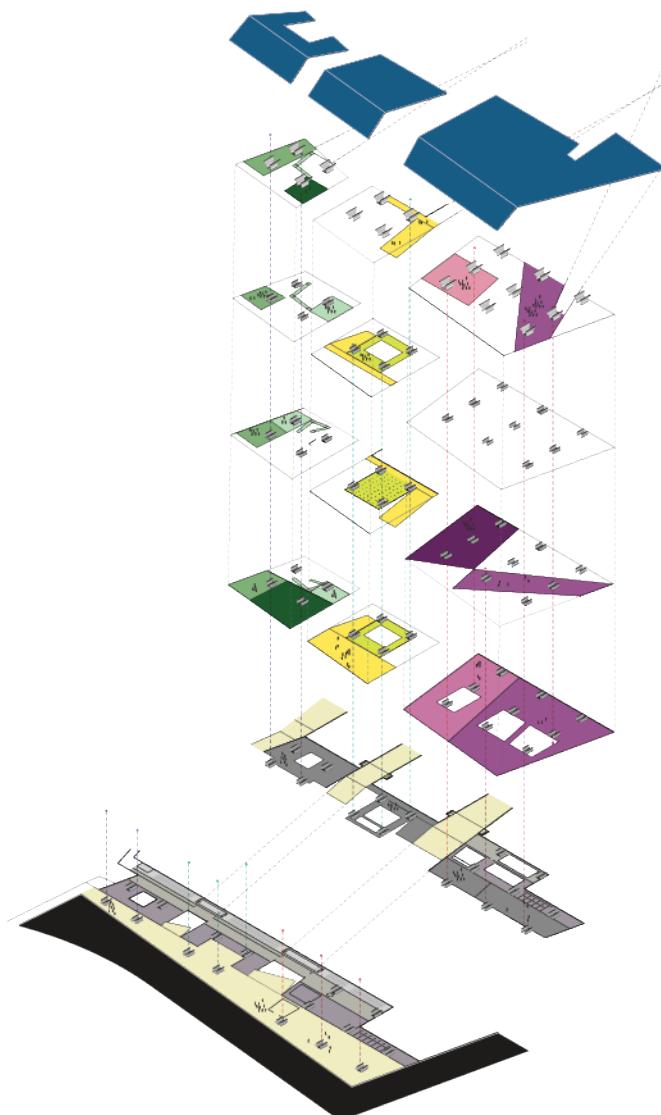
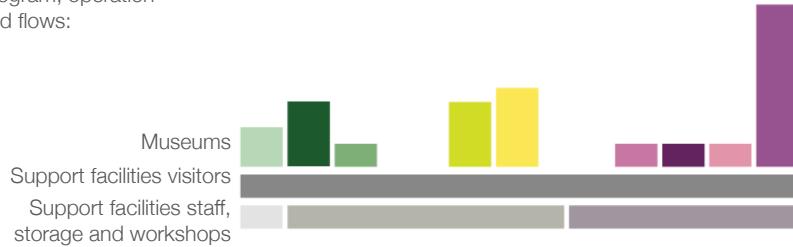
The proposal was for an International Competition. We thought of the project as a critical change in relation to the surrounding topography, and the built scenery as a reinvention of the existing place as synchronized movement

between architecture and landscape in a single action triggered by thought with no hierarchy in order to achieve hybrid spatialities.

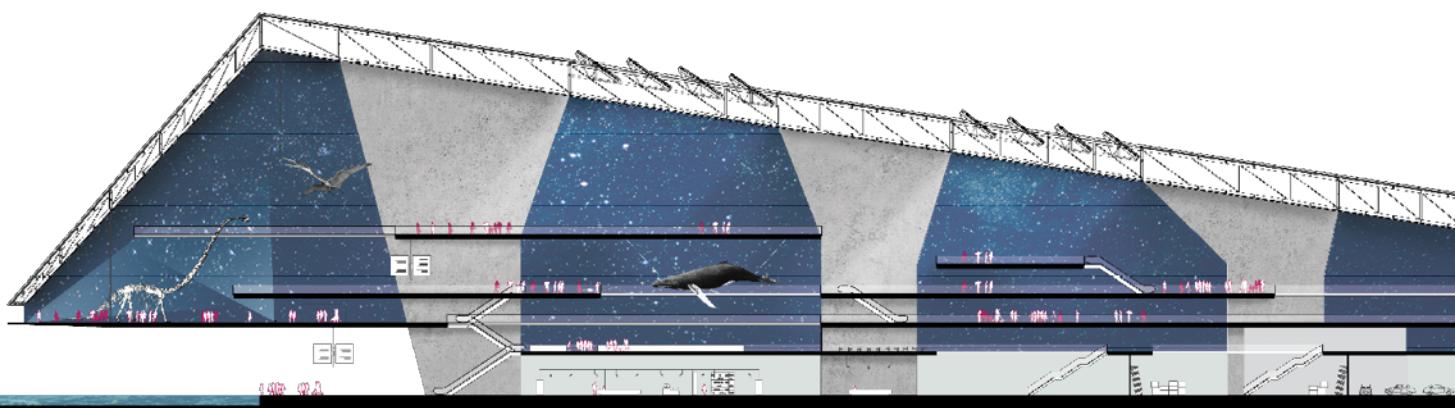
Responsible for leading the design team and reporting to the Design Principals. Also developed the masterplan, concepts drawings, diagrams and the competition boards design.



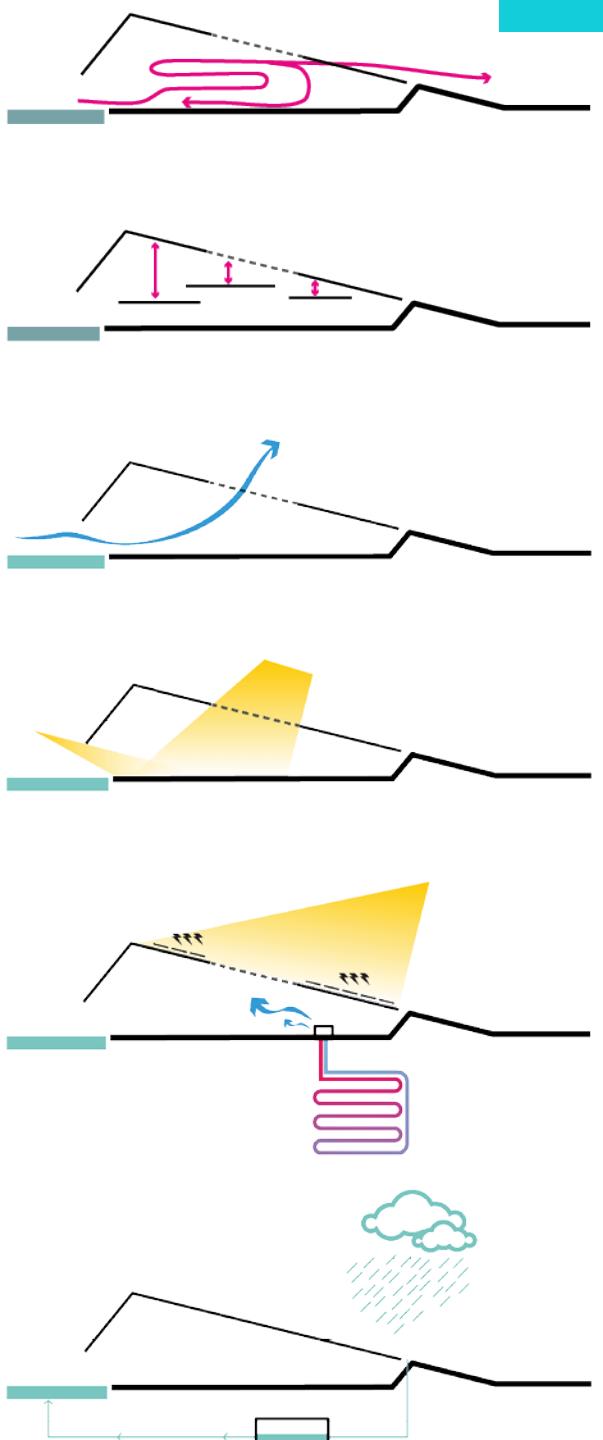
Program, operation
and flows:



Museum
section



Conceptual diagrams:



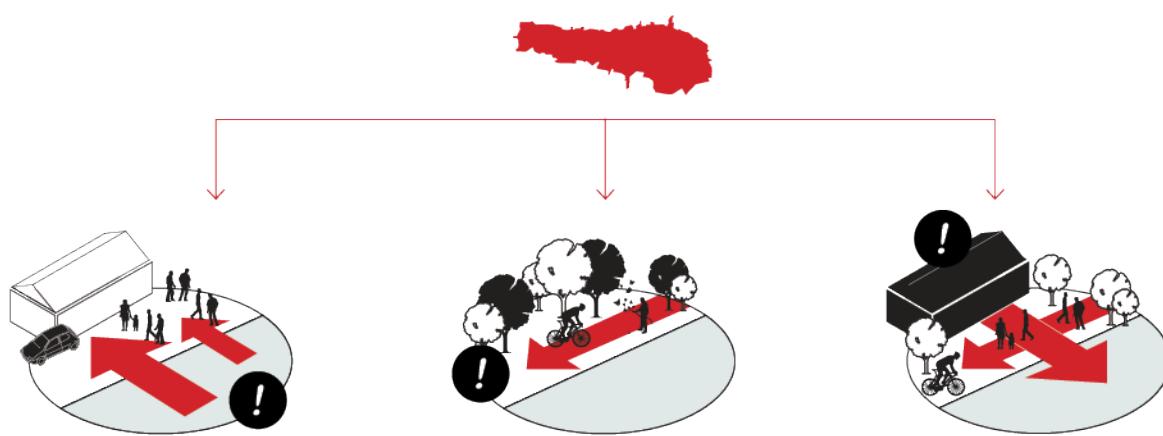
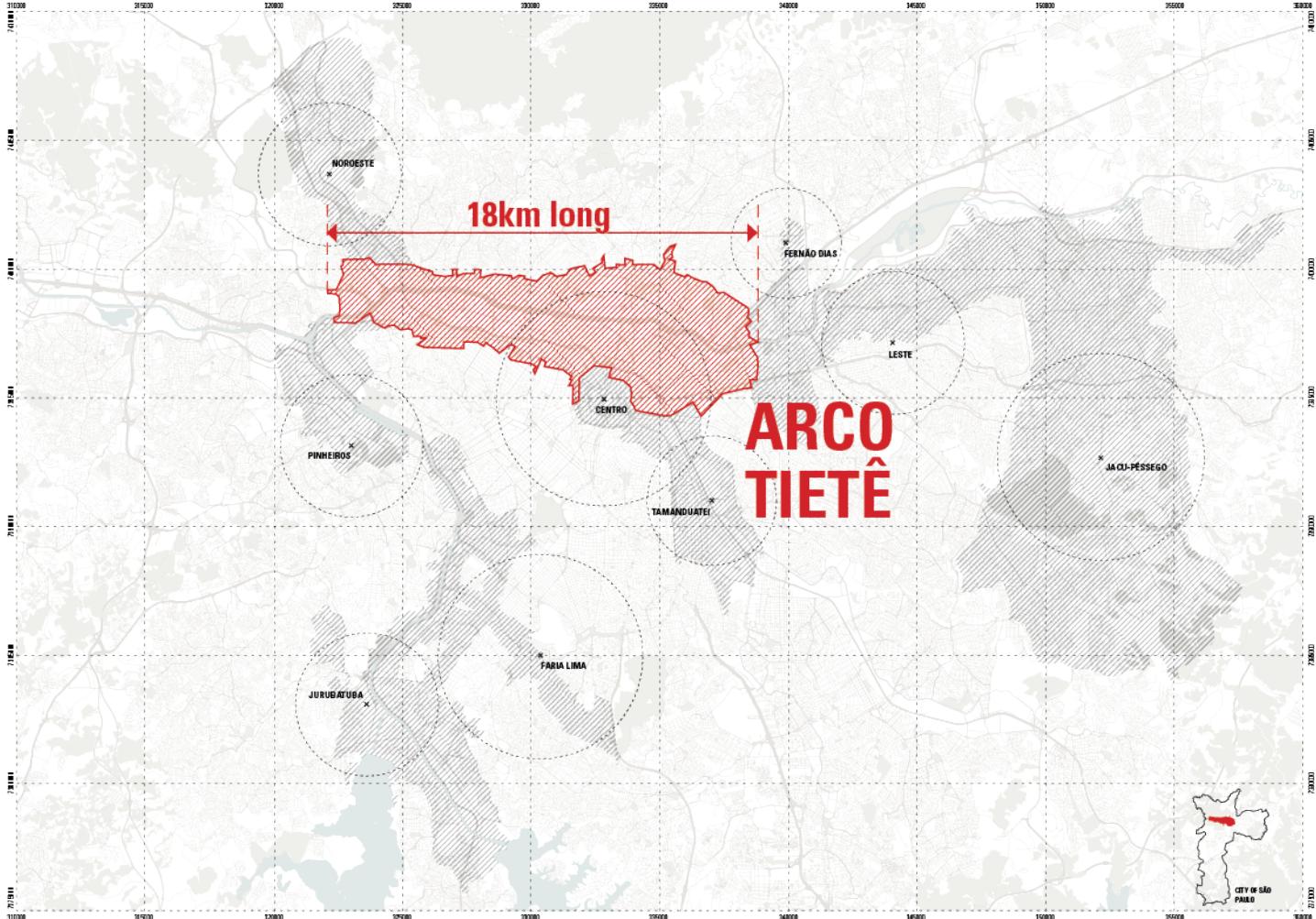
Urban design Graphics Support

triptyque architecture

Freelance work for the french-brazilian studio Triptyque Architecture. Urban project based in São Paulo, Brazil.

Responsible for developing all the graphic design of the project, masterplan, concepts drawings, diagrams. Reported to the Design Principals.

<http://www.triptyque.com/arcotiete>



CREATION OF THE ARCO TIETÊ URBAN DEVELOPMENT PLAN
BASED ON THE RELATIONSHIP BETWEEN THE RIVER AND THE CITY.



REHABILITATION AND INTEGRATION OF GREEN AND
PUBLIC SPACES WITH THE CREATION OF A LINEAR PARK.

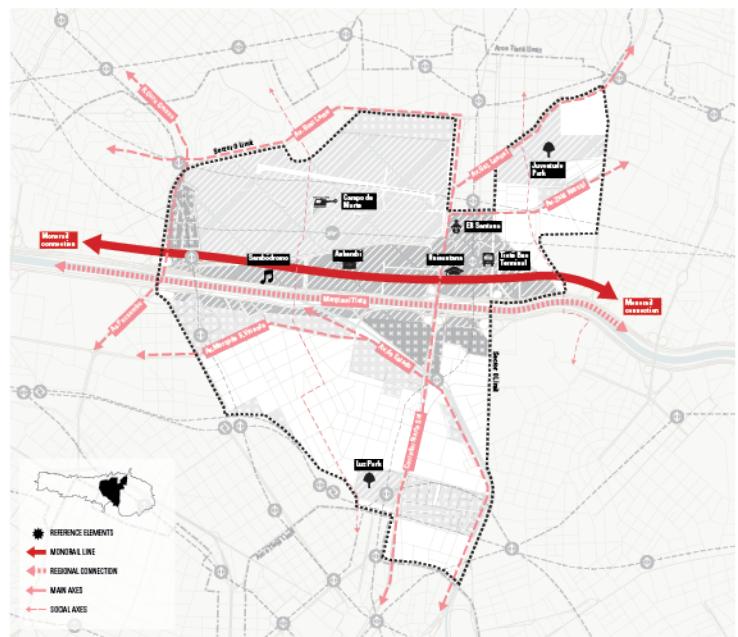
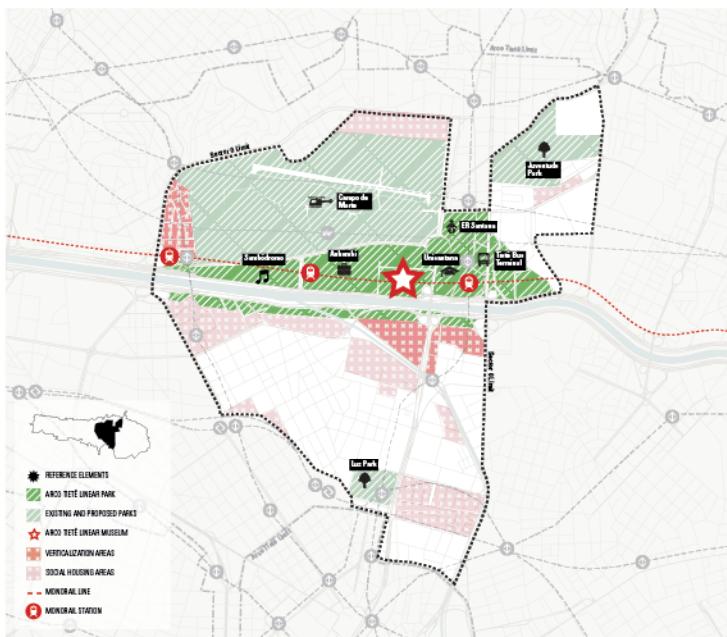
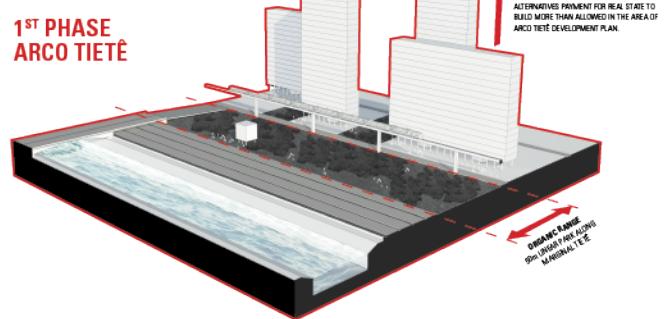
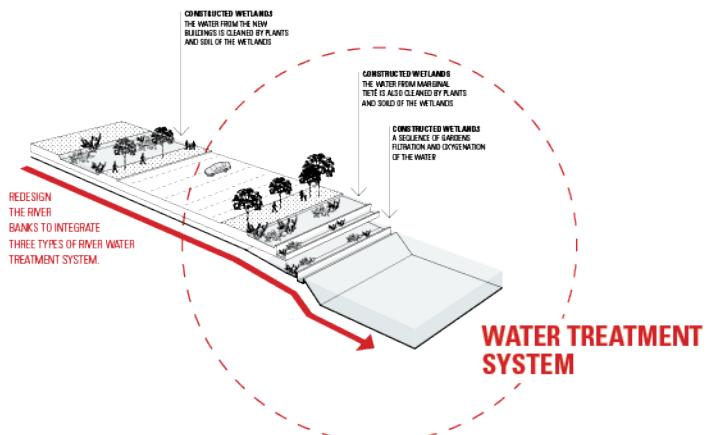
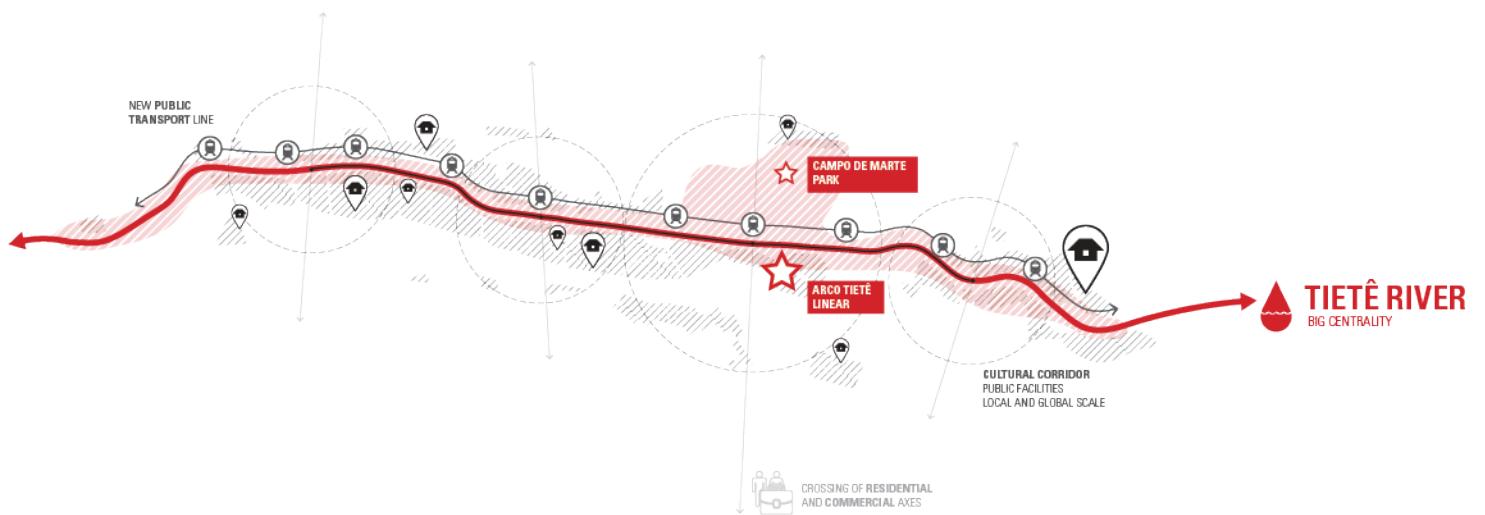


THE LINEAR PARK WILL HAVE
APPROX. 1 MILLION M²

CREATING A LINEAR MUSEUM: CULTURAL CORRIDOR
IN THE METROPOLITAN SCALE.



36 PAVILIONS OVER
18 KM



Urban design Graphics Support

triptyque architecture

Freelance work for the french-brazilian studio Triptyque Architecture. Urban project based in Huningue, France.

Responsible for developing all the graphic design of the project, masterplan, concepts drawings, diagrams. Reported to the Design Principals.

<http://www.triptyque.com/huningue>

