



12°58'16"S
38°30'39"W

Portfolio

Carolina Passos

Urban Designer & Urban Data Specialist

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<https://mappinglab.me>

<http://carolinapassos.arq.br>



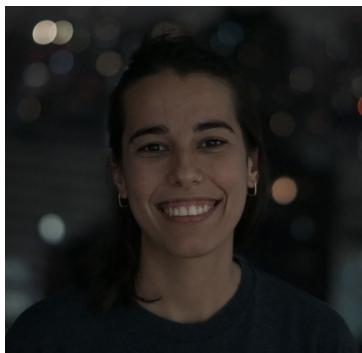
23°32'51"S
46°38'10"W



23°31'57"S
46°47'30"W



22°54'10"S
43°12'27"W



Carolina Passos

Arquiteta e Urbanista
Especialista Dados Urbanos

Contato

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<http://carolinapassos.arq.br>
<https://www.mappinglab.me>

Portfolio em:
carolinapassos.arq.br/portfolio

Formação Acadêmica

2016 – 2017

Pós-graduação em Geoprocessamento ambiental e análises espaciais (GIS)
Universidade Federal de S.Carlos - UFSCAR
São Carlos, BR

2009 – 2010

Master em Arquitetura, com ênfase em projetos urbanos
Politecnico di Milano
Milão, IT

2006 – 2011

Graduação em Arquitetura e Urbanismo
Universidade de São Paulo - USP
São Carlos, BR

Experiência Profissional

2020 – presente

Pesquisadora Dados Geoespaciais
Instituto Escolhas - São Paulo, BR

2019 – presente

Consultora Analista Dados Geoespaciais
Fundação Tide Setúbal - São Paulo, BR

2017 – presente

Fundadora & Especialista Dados Urbanos
Mapping Lab - São Paulo, BR

2019 – 2020

Urbanista & Analista dados geoespaciais
. Natureza Urbana (Concessão Jardim Botânico + Zoológico)
. Raddar.org (Estádio Pacaembu + Bienal Veneza 2021)
. Triptyque Architecture

2018 – 2019

Consultora Analista Dados Geoespaciais
World Bank Group - São Paulo, BR

2012 – 2018

Arquiteta e Urbanista
Vigliecca & Associados - São Paulo, BR

2008 – 2009

Pesquisadora bolsista TT FAPESP
Nomads.USP - Núcleo de estudos de habitares interativos - São Carlos, BR

2008

Monitora bolsista na disciplina
Projeto III - Arquitetura, cidade e paisagem
São Carlos, BR

Freelance

Cartógrafa e Analista GIS

CEBRAP
São Paulo, BR

Cartógrafa e Analista GIS

Lincoln Institute of Land Policy
Colaboração com Fernando Túlio Franco
Estados Unidos, USA

Cartógrafa digital e Analista GIS

Volt Data Lab - Agência de jornalismo
São Paulo, BR

Projetos Selecionados

Bienal de Arquitetura Internacional de Veneza 2021 (2020)

Pavilhão Antártida
Veneza, IT

(continuação Projetos Selecionados)

Bienal de Arquitetura Internacional de Seul 2019

Food for Thought - São Paulo
Colaboração com Fernando de Mello Franco
Seul, KR

Bienal de Arquitetura Internacional de Veneza 2018

Case studies: Mapping Urban Data
Catálogo do Pavilhão do Brasil
Veneza, IT

PIU Canindé - Portuguesa

Coordenação e desenvolvimento do Masterplan
São Paulo, BR

Reinventing Cities - C40

Coordenação e desenvolvimento do Masterplan - Área Vale dos Barris
Salvador, BR

Rio2016 Complexo Esportivo Deodoro

Desenvolvimento dos projetos BMX, Canoe Slalom, X-Park facilities, National Hockey Centre
Rio de Janeiro, BR

Complexo Esportivo e Uso misto Rochdale

Desenvolvimento do Masterplan e análises urbanas
Osasco, BR

Plano Urbanístico Osasco Eixo Tietê

Desenvolvimento do Masterplan e análises urbanas
Osasco, BR

Plano Urbanístico da Orla de Salvador

Desenvolvimento do Masterplan e análises urbanas
Salvador, BR

Estudos Urbanísticos Arco Tietê

Desenvolvimento do Masterplan e análises urbanas
São Paulo, BR

Estudos Urbanísticos Operação Urbana Mooca-Vila Carioca

Desenvolvimento do Masterplan e análises urbanas
São Paulo, BR

Trabalhos Voluntários

2015 – 2017

Colaboradora no mapeamento de cidades brasileiras
Open Street Map

Informática

Análises geoespaciais

QGIS
Postgre SQL
Mapbox
Leaflet

Desenho

Photoshop
Illustrator
InDesign
Sketchup
Vray
Autocad 2D/3D

Microsoft office

Word
Excel
Powerpoint

Idiomas

Inglês - Fluente
Italiano - Intermediário
Português - Nativo

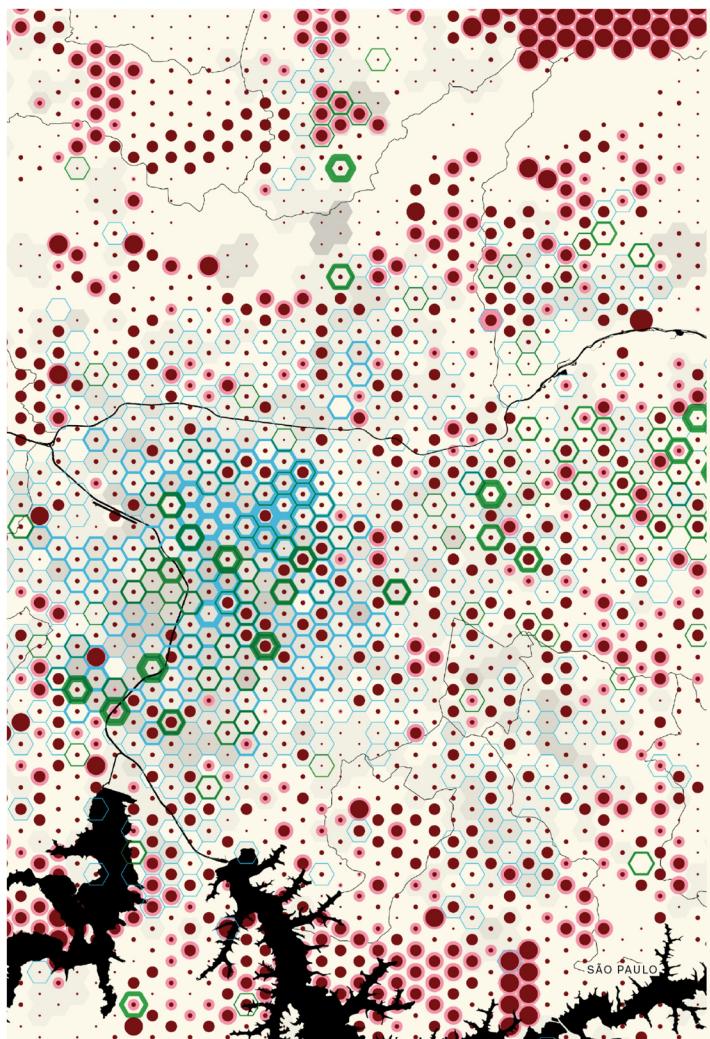
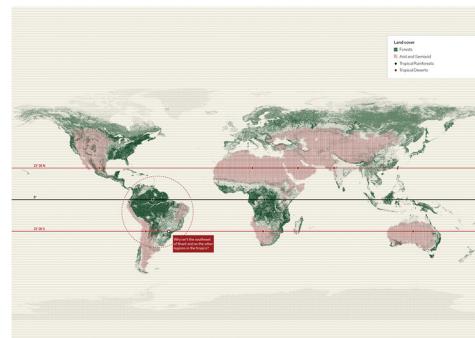
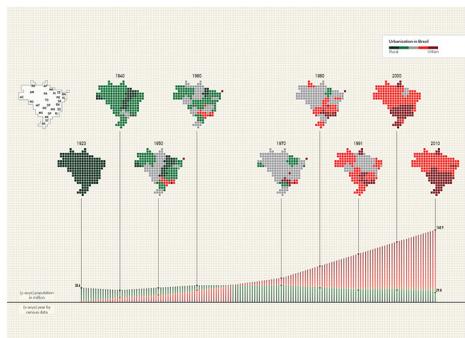
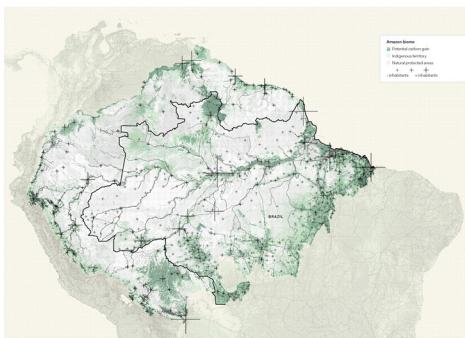
Mapping urban data

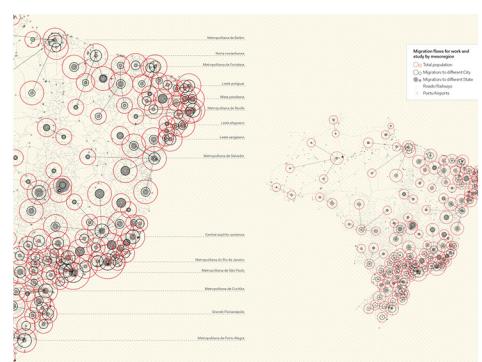
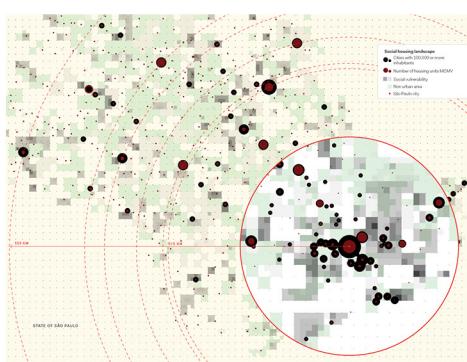
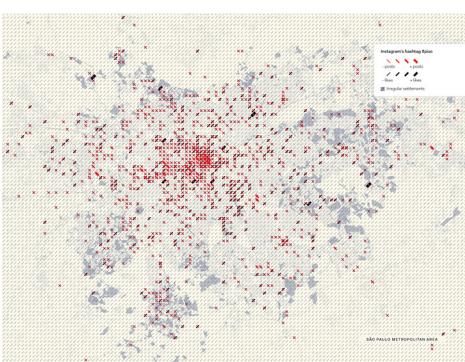
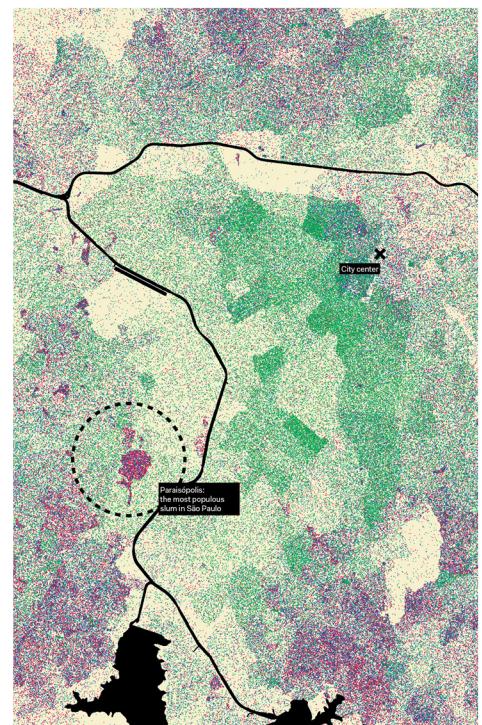
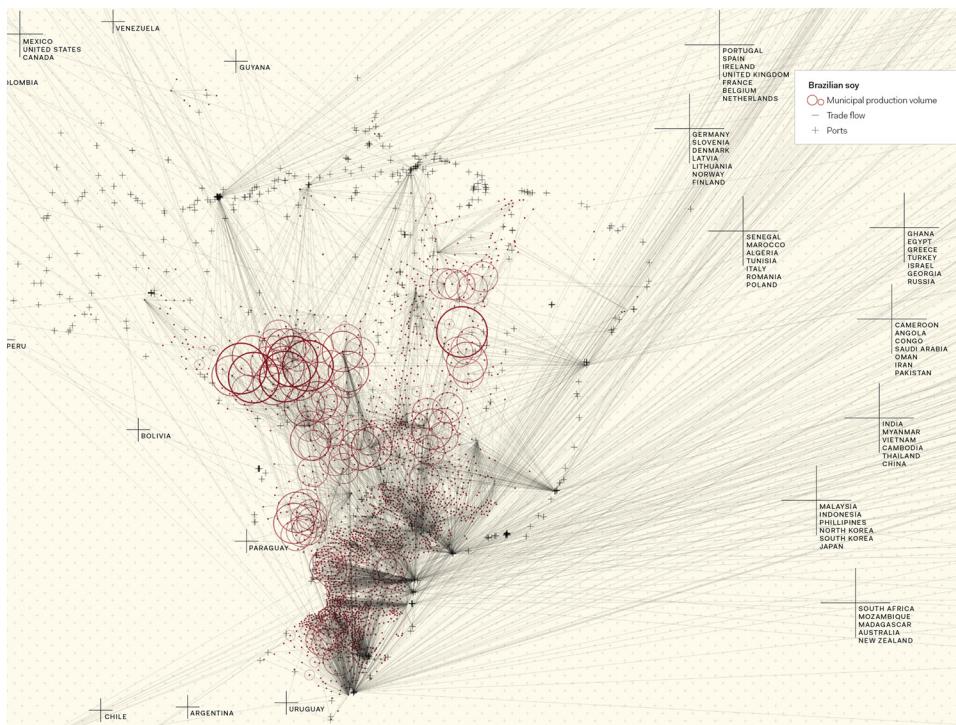
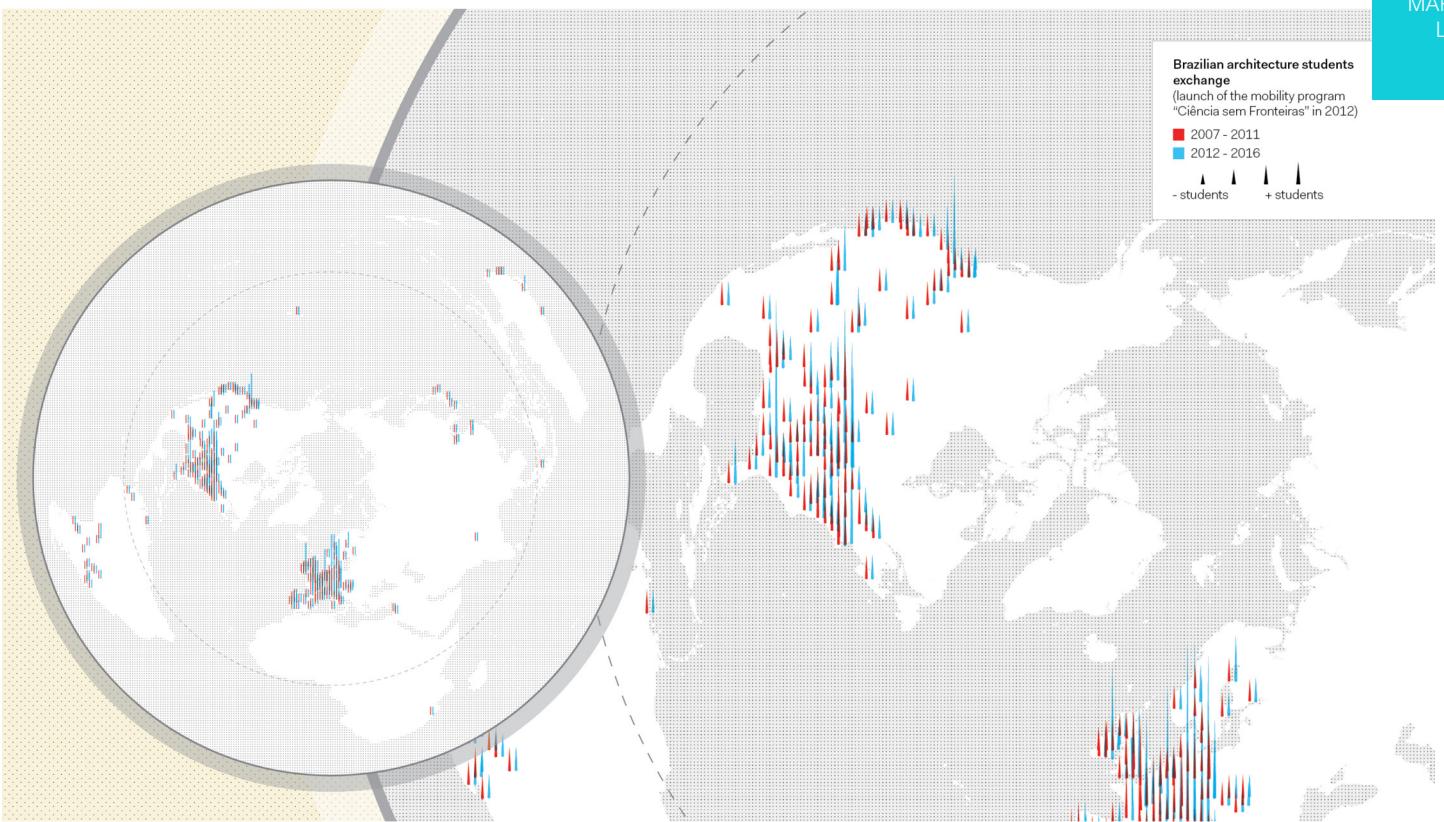
Brazilian Pavilion at Biennale di Architettura di Venezia 2018

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)





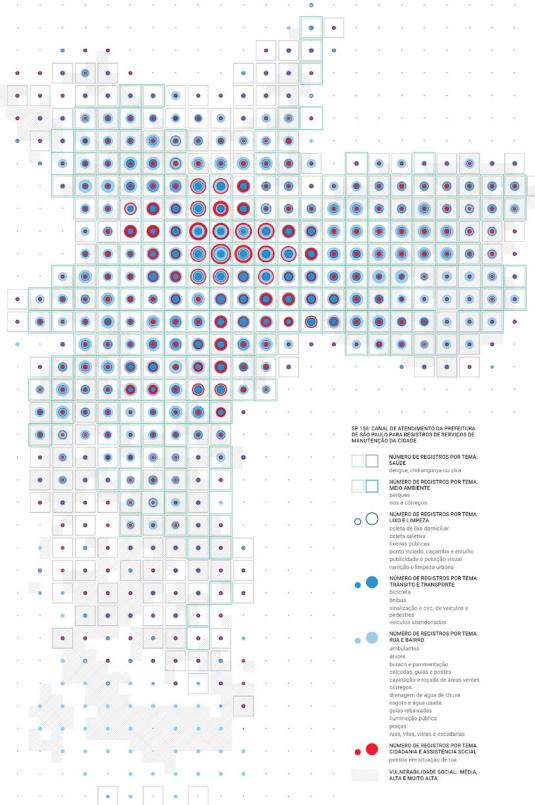
Citizen 156

International Architecture Biennale of São Paulo 2019

2019 Biennale proposes the theme Everyday, the most trivial dimension of reality to investigate architecture and the city environment, crossing different perspectives, scales and boundaries. The project Citizen 156, proposes a

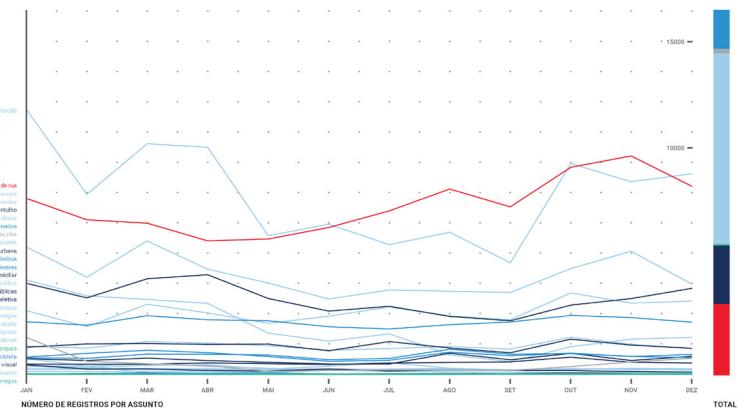
reflection about the city maintenance through a period of time, focusing on São Paulo city. The project aims to explore the invisible layer of care routines for the urban environment and its vulnerabilities of social inequality and collective spaces.

Responsible for the entire project, from its conception, development and presentation.



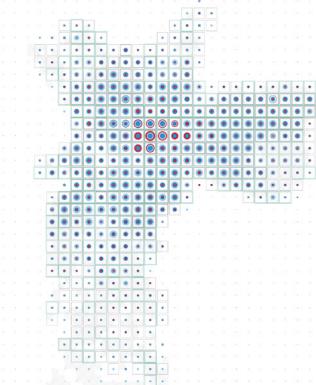
2018

Mapeamento de **472.594** registros de atendimento do canal SP 156, referentes a **26 assuntos**, de **6 temas**. Representa **63,2% de um total de 747.555** registros no ano.

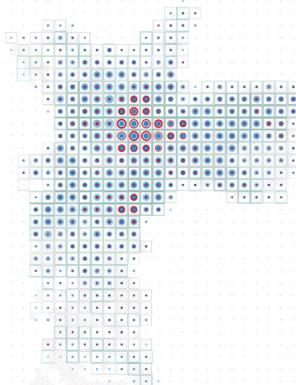


Fonte:
Secretaria Municipal de Inovação e Tecnologia - SMIT,
Prefeitura de São Paulo, 2015-2018.
Instituto Paulista de Vulnerabilidade Social, Fundação
SEADE, 2015.

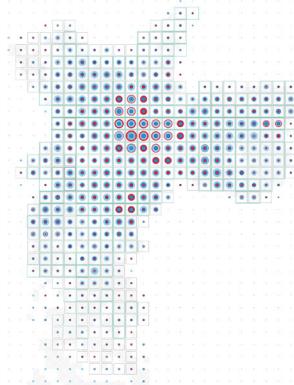
2015 Mapeamento de 467.997 registros de atendimento do canal SP 156, referentes a 26 assuntos, a 6 temas. Representa 62,2% de um total de 752.915 registros no ano.



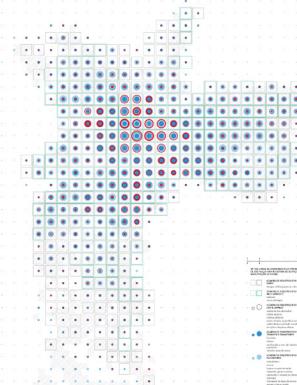
2016 Mapeamento de 507.709 registros de atendimento do canal SP 156, referentes a 26 assuntos, a 6 temas. Representa 65,2% de um total de 778.690 registros no ano.



2017 Mapeamento de 489.552 registros de atendimento do canal SP 156, referentes a 26 assuntos, a 6 temas. Representa 66,8% de um total de 732.395 registros no ano.



2018 Mapeamento de 472.594 registros de atendimento do canal SP 156, referentes a 26 assuntos, a 6 temas. Representa 63,2% de um total de 747.555 registros no ano.

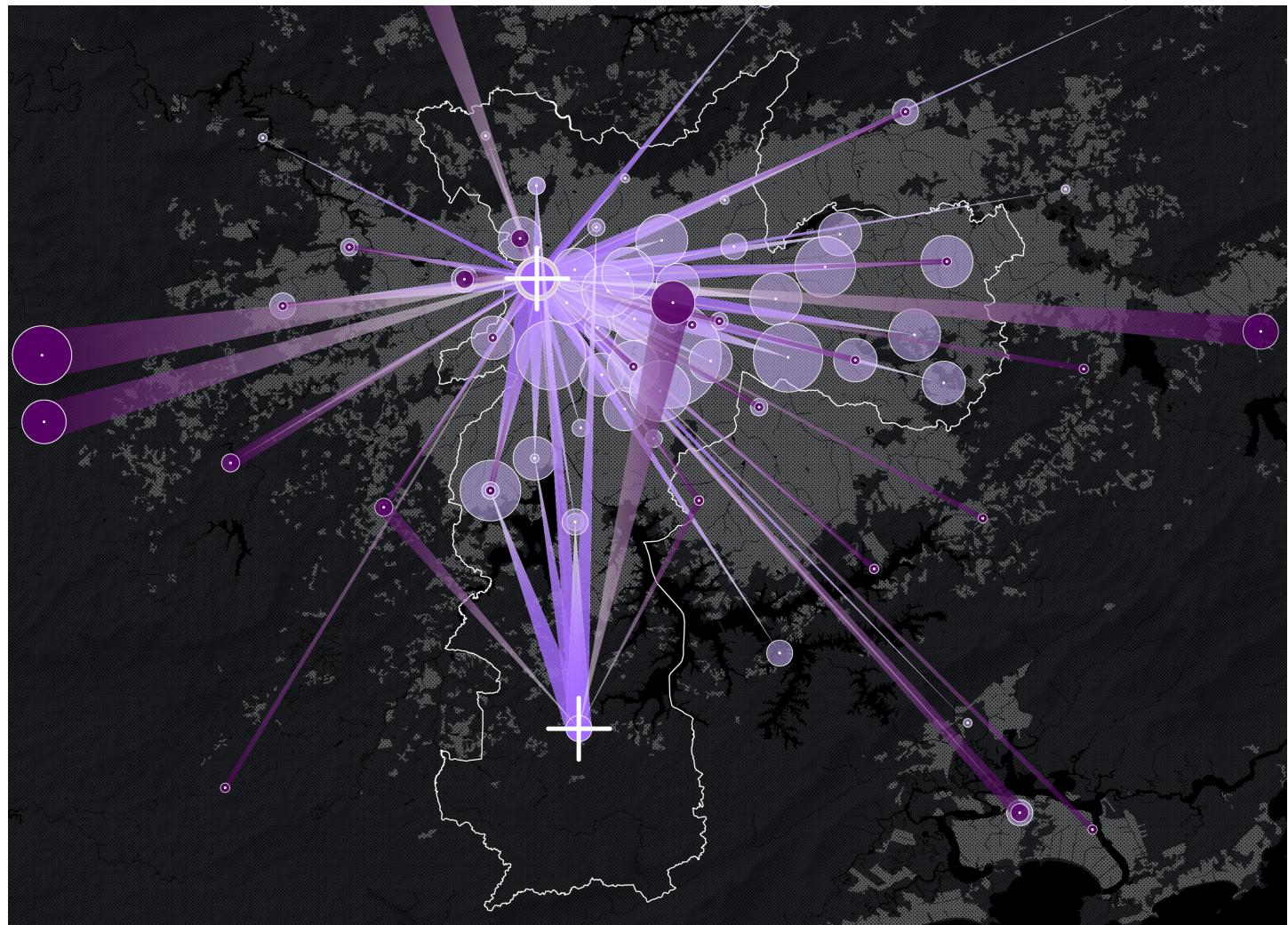
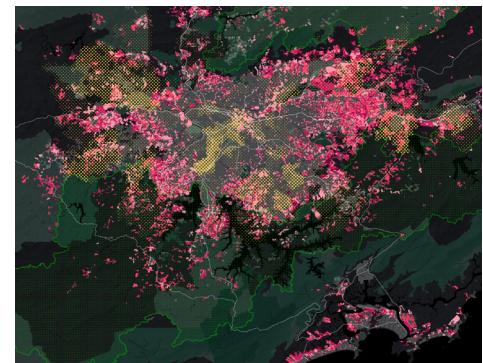
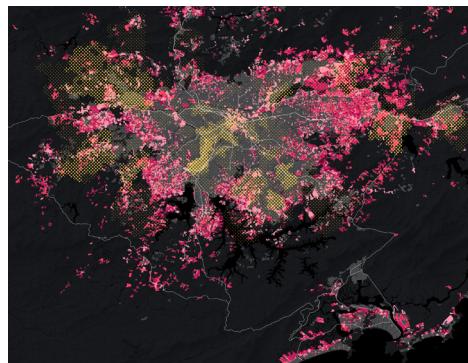
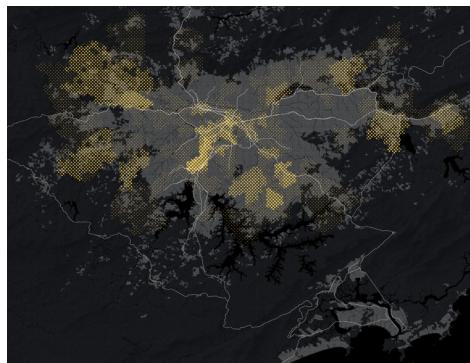


Food for Thought selects urban and periurban agriculture in São Paulo as an object of study in its integrative dimension of aspects of environmental preservation, food and nutritional security and local socioeconomic development. It aims to promote social environmental sustainability of rural territory through strengthening local

agriculture.

Responsible for the research and development of all cartographies and urban analysis.

Work developed in collaboration with Fernando de Mello Franco, Anna Kaiser, Leandro Lima, Marcela Ferreira and Marta Bogaia.



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%

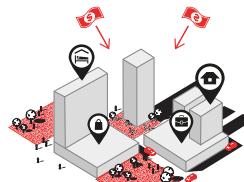
The masterplan provides housing opportunities near downtown, incorporates the environmental agenda, improves urban mobility and urban life by promoting economic and social development.



integrated projects that consolidate the new centrality

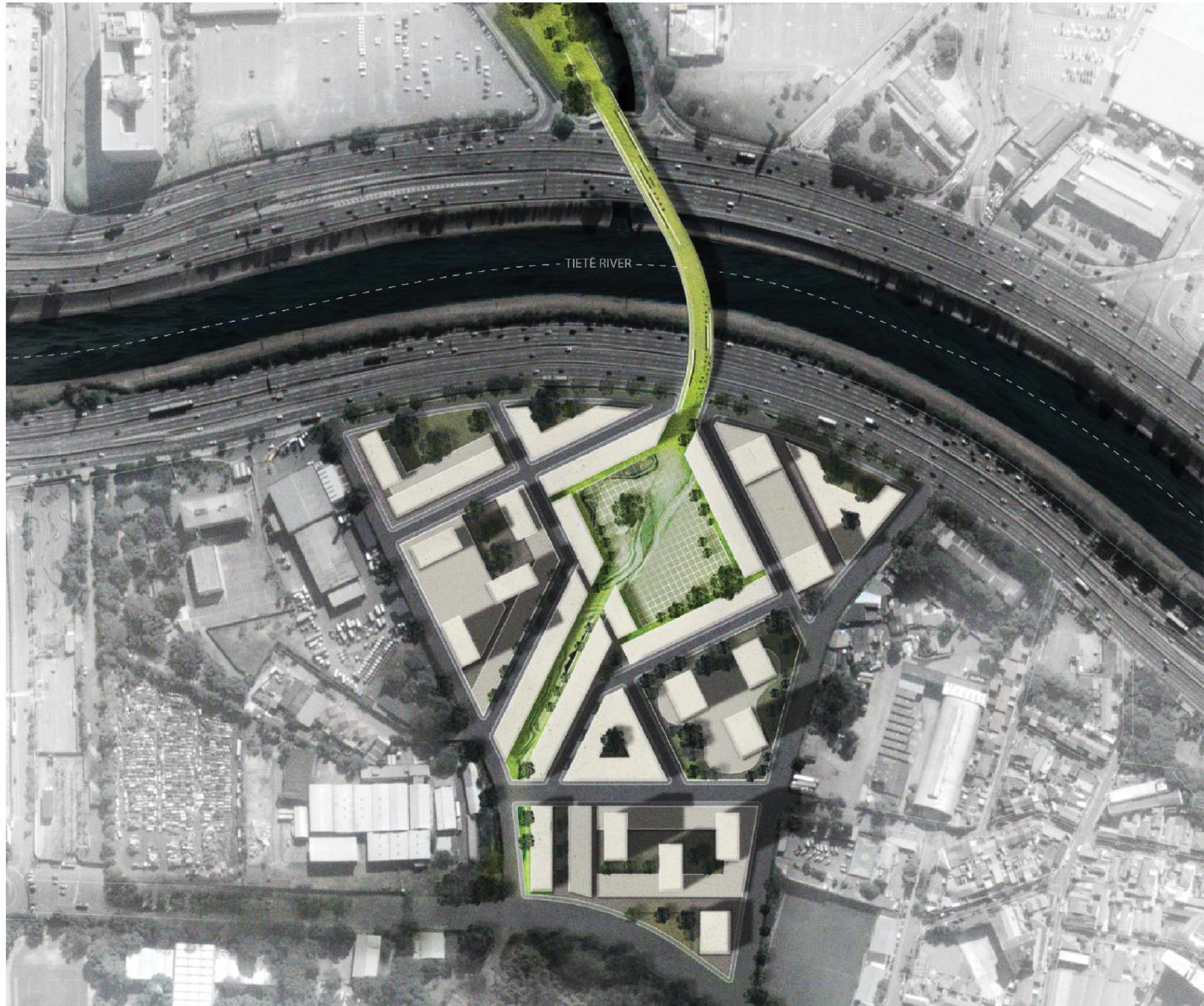
50%

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

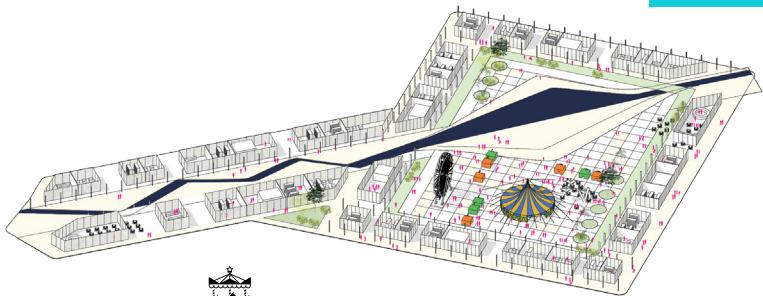
20%



New centrality:
Urban piazza as a flexible
and publicspace



green fairs



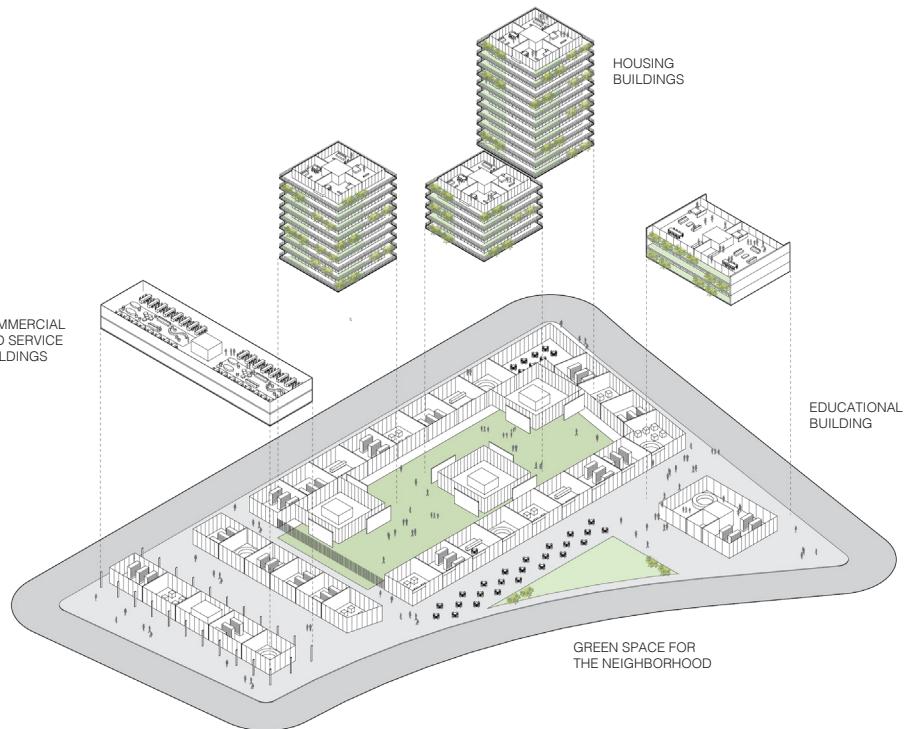
temporary activities

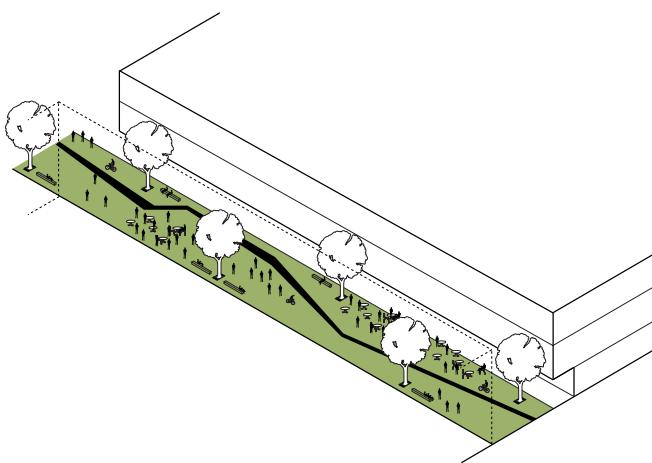


pocket events

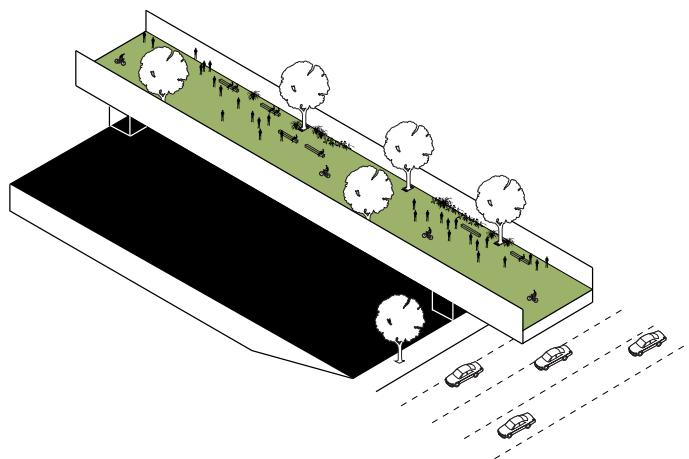


big shows

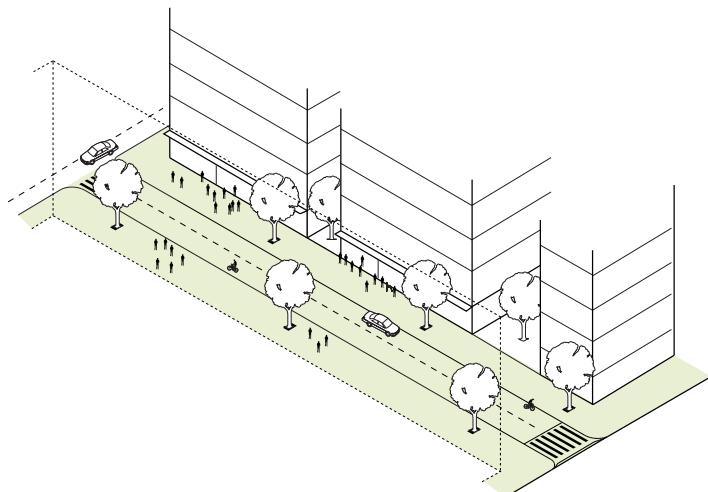




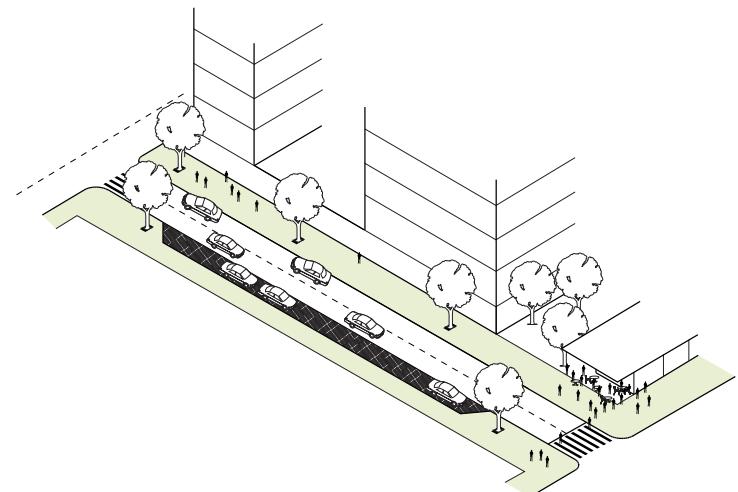
BOULEVARD
COMO GRANDE EIXO DE PASSEIO DE PEDESTRES
+ CICLOVIA



TRANSPOSIÇÃO
ARTICULAÇÃO EMPREENDIMENTO - PARQUE DA
JUVENTUDE



VIAS LOCAIS INTERNAS DO EMPREENDIMENTO -
PROPOSTA VIAS COMPARTILHADAS COM PAVIMENTO
CONTÍNUO PASSEIO



NOVAS VIAS LOCAIS LATERAIS
INTERFACE E CONEXÃO COM ENTORNO



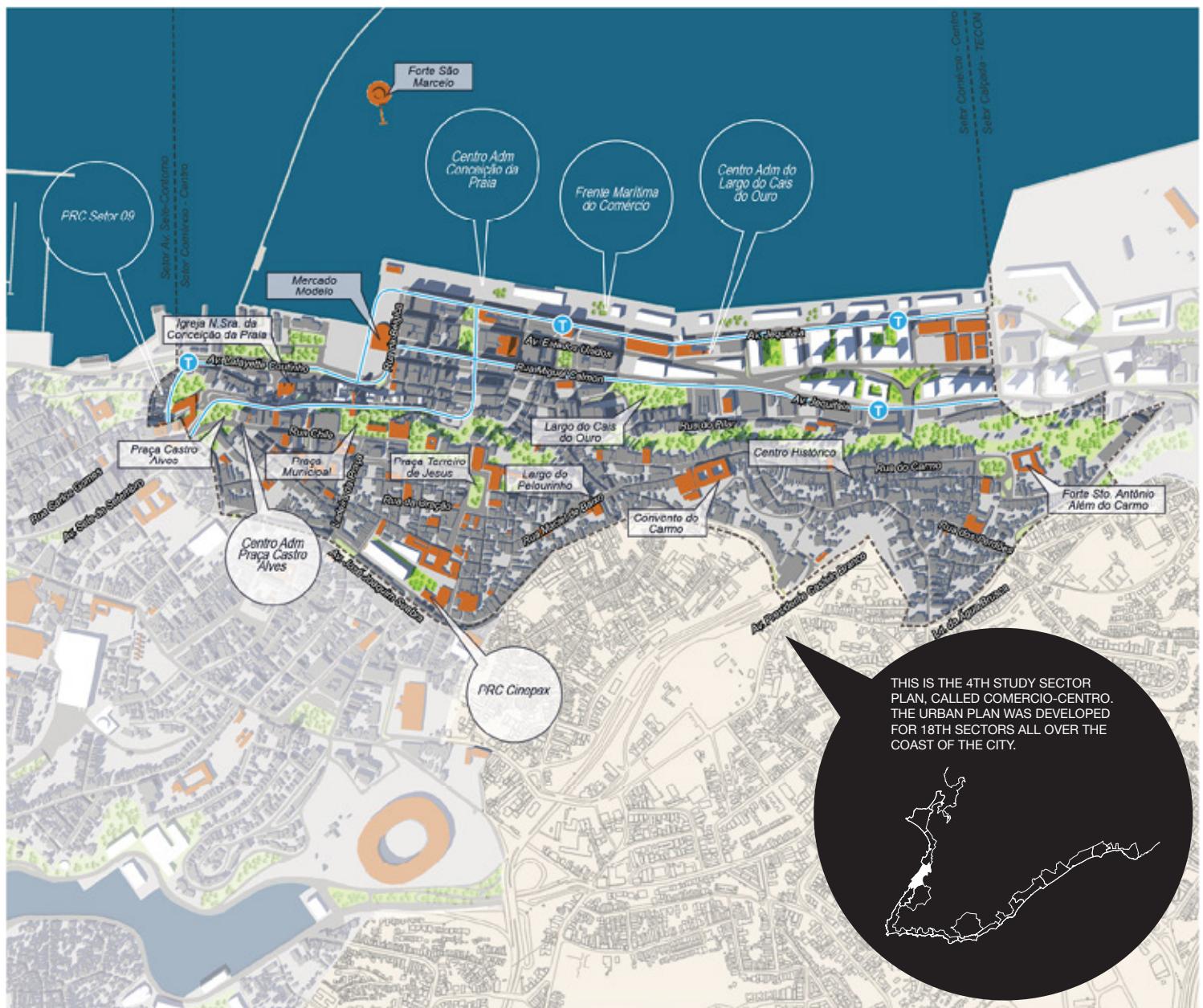
Salvador Coast Urban Development Plan

Salvador, Bahia

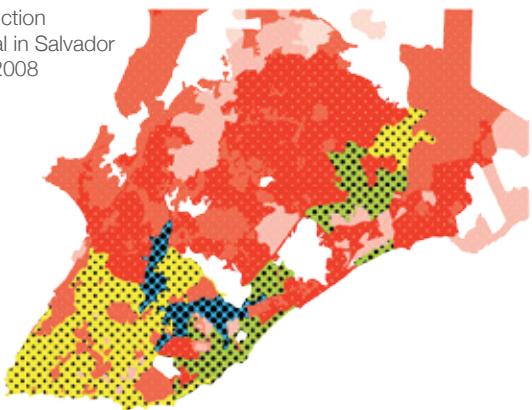
The Urban Plan was developed focusing on the Itapagipe Peninsula, Old Downtown and the Atlantic Coast of Salvador, with 2 400ha. The plan sets the urban transformation for this territory based on its relationship with the preexisting. It's involved the construction of new centralities in the city, which 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.

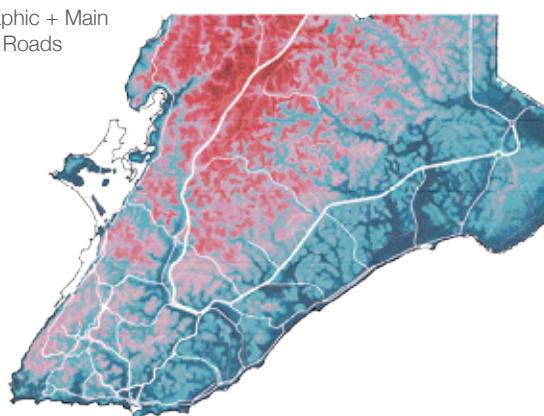
Population Growth
IBGE, 2000-2010



Construction Potential in Salvador
PDDU 2008



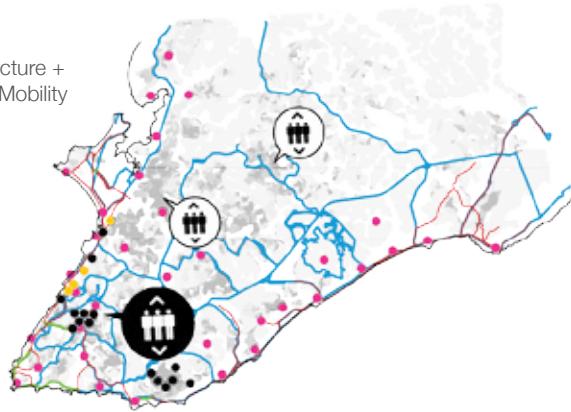
Topographic + Main Existing Roads



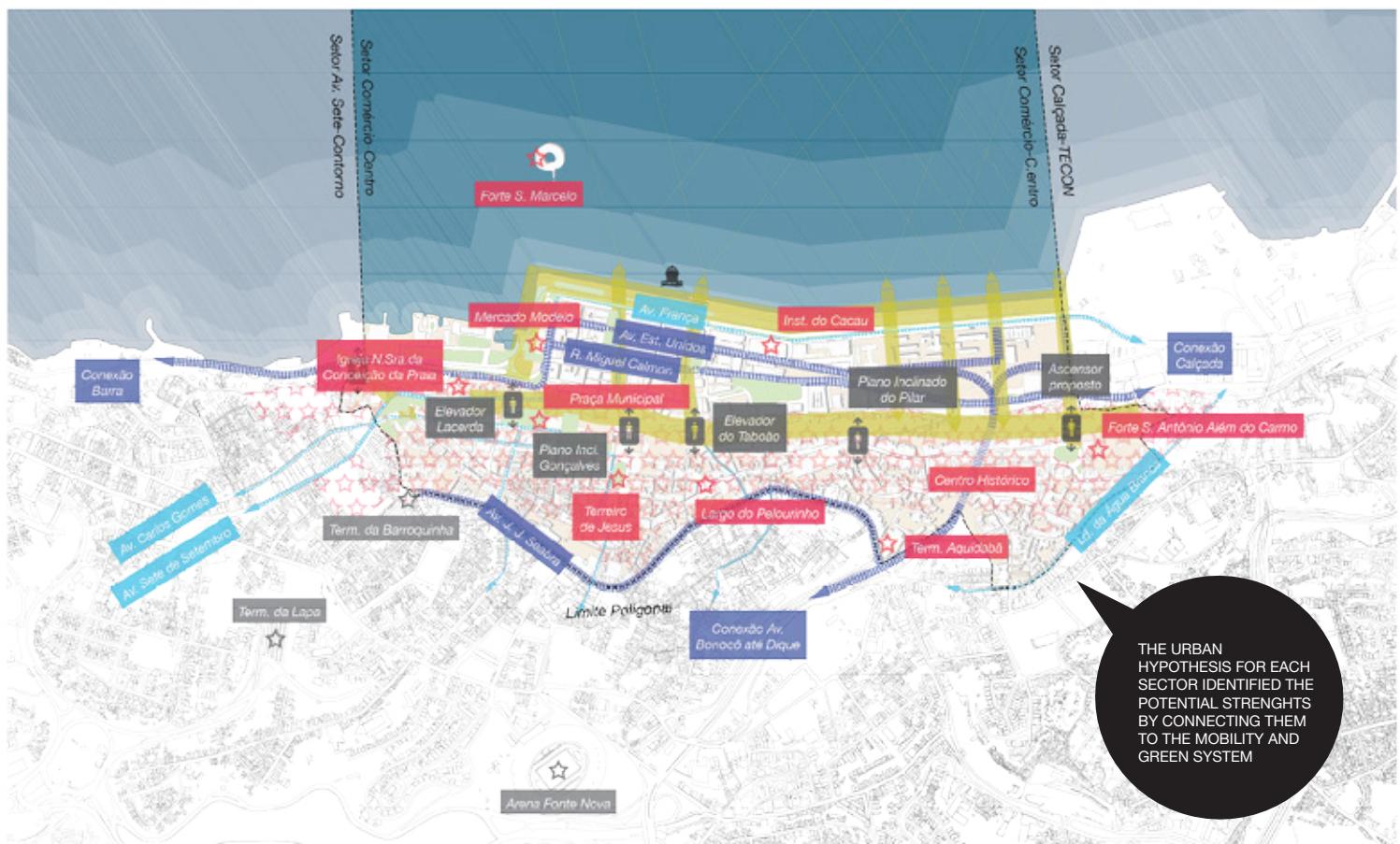
Main Mobility System Proposal



Cycling infrastructure + Vertical Mobility



Urban hypothesis for
Comércio-Centro sector



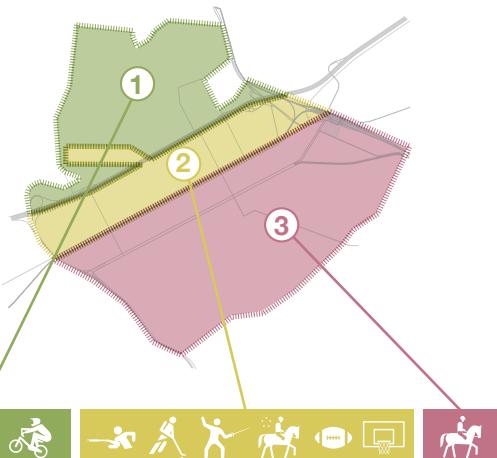
Rio2016 Deodoro Olympic Park

Rio de Janeiro

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.

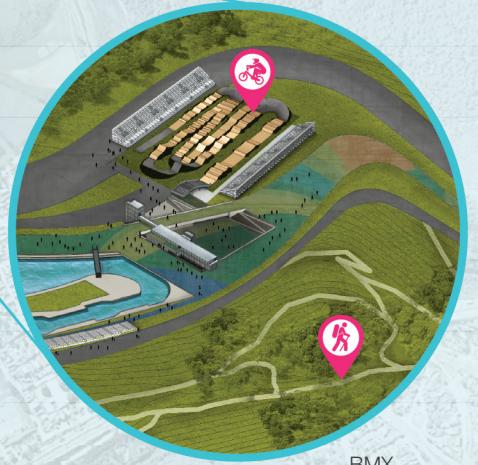
Responsible for developing the masterplan, illustrations, 3D models, concepts and technical drawings of BMX Olympic Centre (01), Canoe Slalom Stadium (01), X-Park facilities (01), National Hockey Centre (04). Also developed diagrams, presentations and visual content of the Youth Arena (03) and the National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

Deodoro Sports Zonning



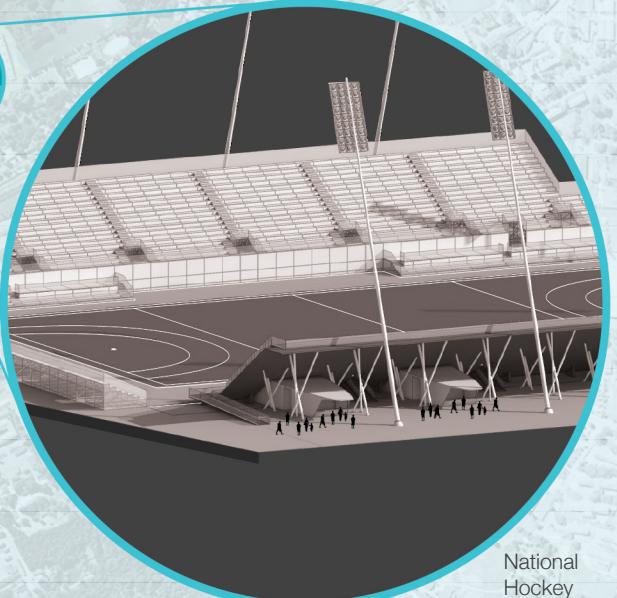
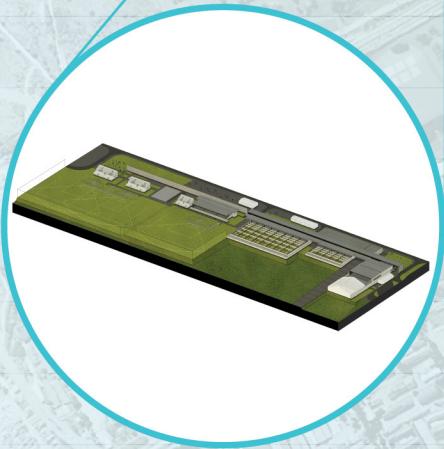
22°54'10"S
43°12'27"W

Canoe
Slalom
Stadium
and X-Park
facilities



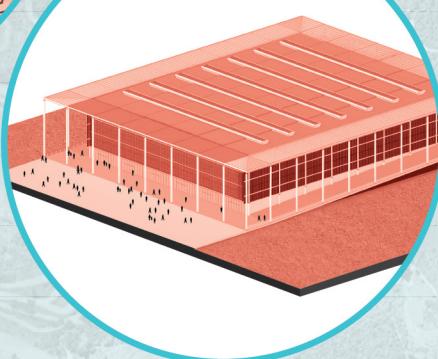
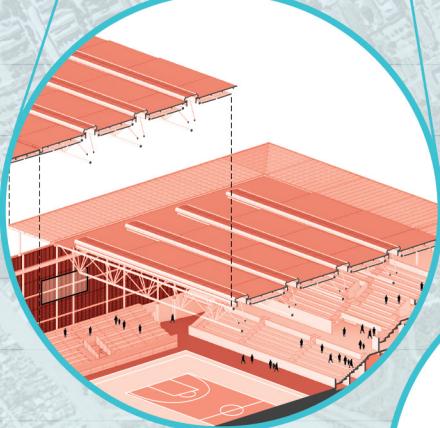
BMX
Olympic
Centre and
X-Park
facilities

National
Shooting
Centre



National
Hockey
Centre

Youth
Arena



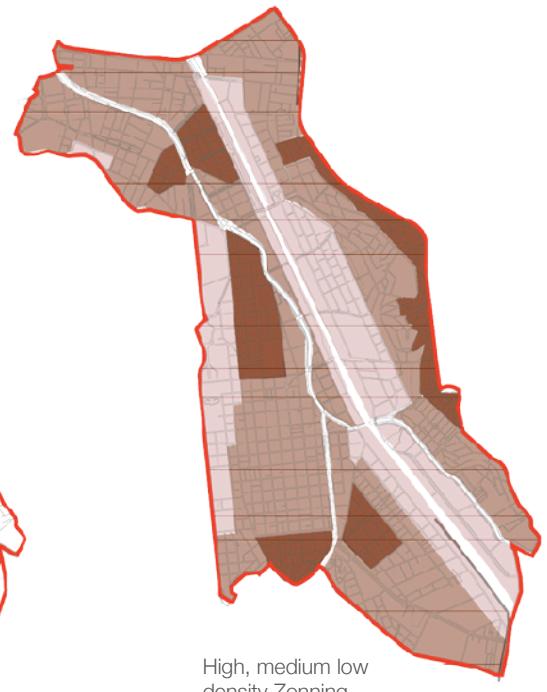
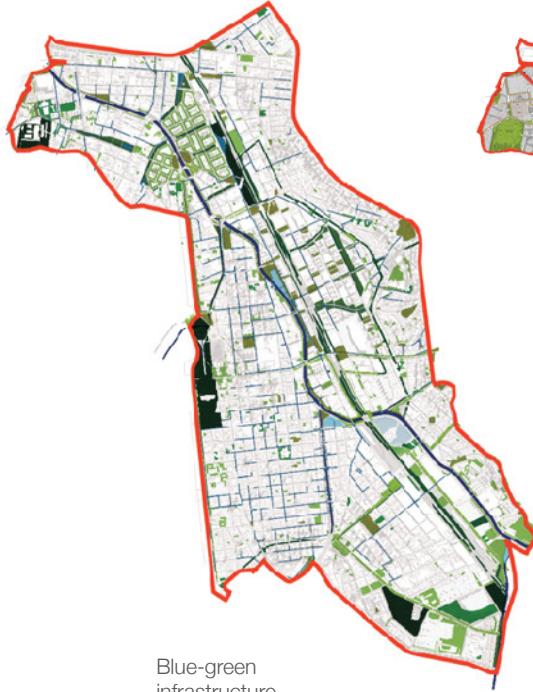
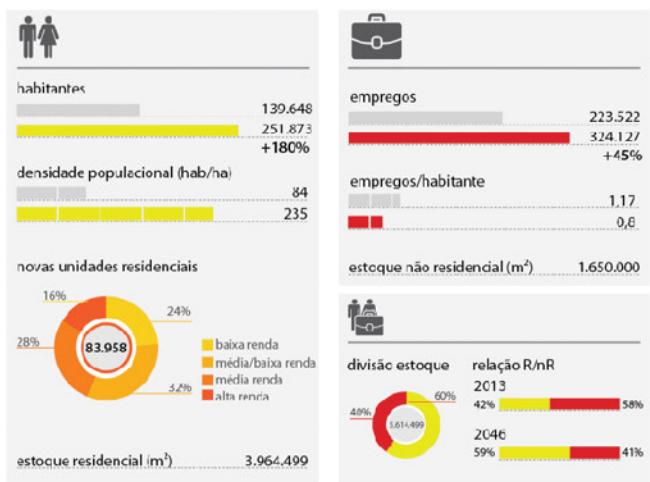
Mooca-Vila Carioca Urban Development Plan

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.

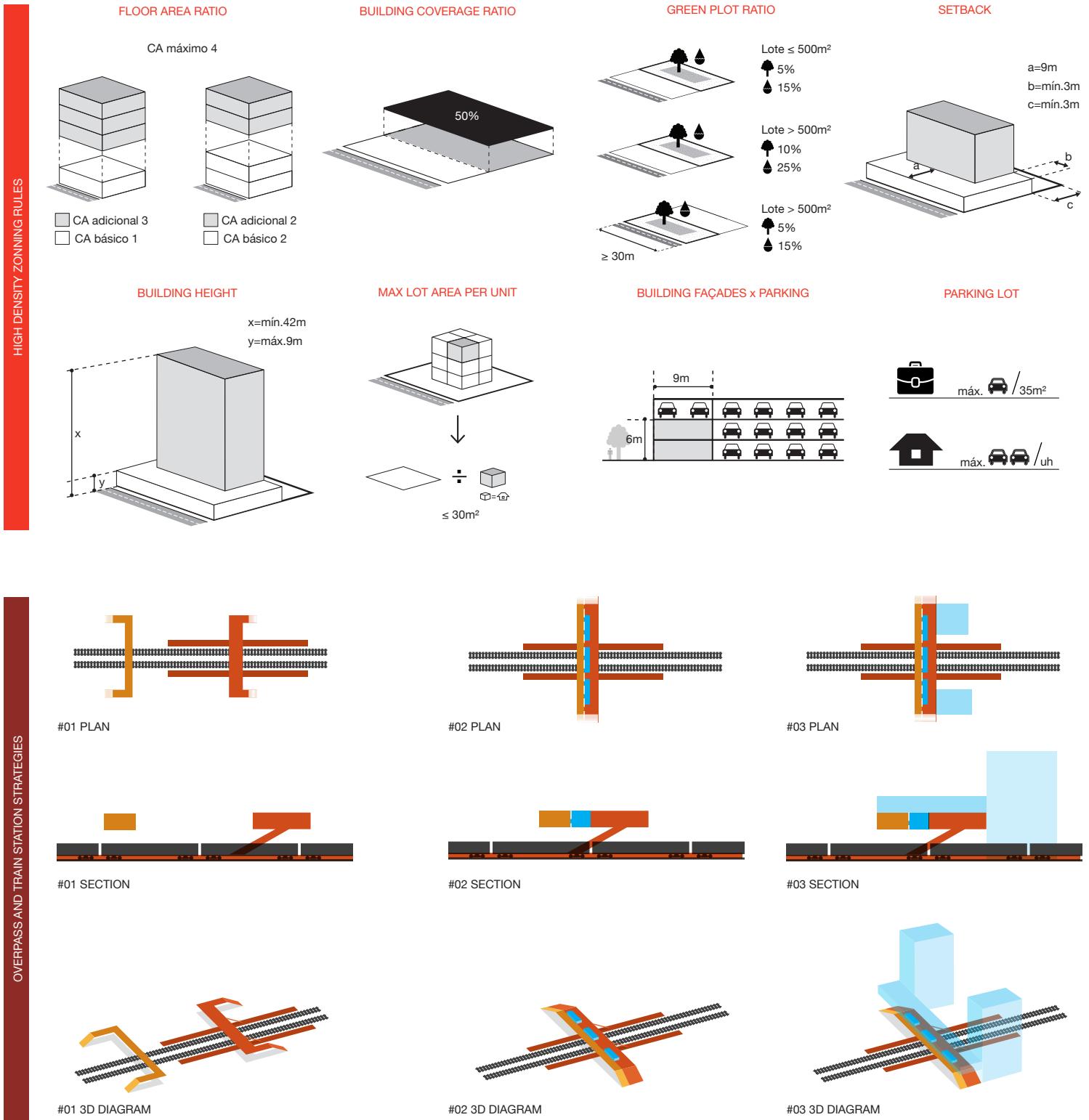
Responsible for analyzing urban typologies, transportation planning and blue-green infrastructure, developing the strategic masterplan, concepts and technical drawings, diagrams, 3D models, presentations, technical reports and follow-up technical environmental consultants.

Strategic Masterplan



Combination of Overpass and Train Station



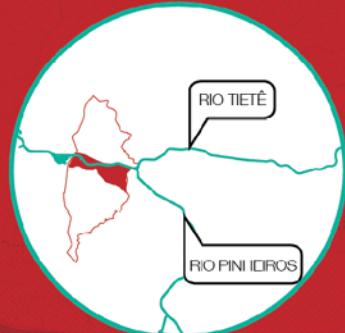


Osasco Tietê Urban Axis Areas Development Plan

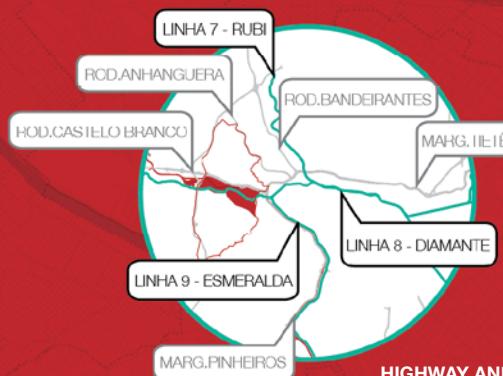
Osasco, São Paulo



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

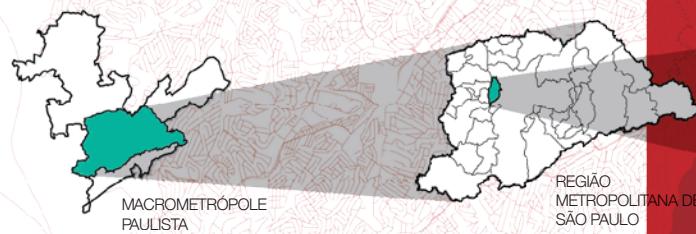
Responsible for analyzing urban typologies, transportation planning, blue-green infrastructure, developing the masterplan and sector specific plans, concept drawings, diagrams, 3D models, editorial concept definition and design.



RELATION WITH OTHER URBAN DEVELOPMENT PLANS

REGIONAL SCALE

LOCAL SCALE



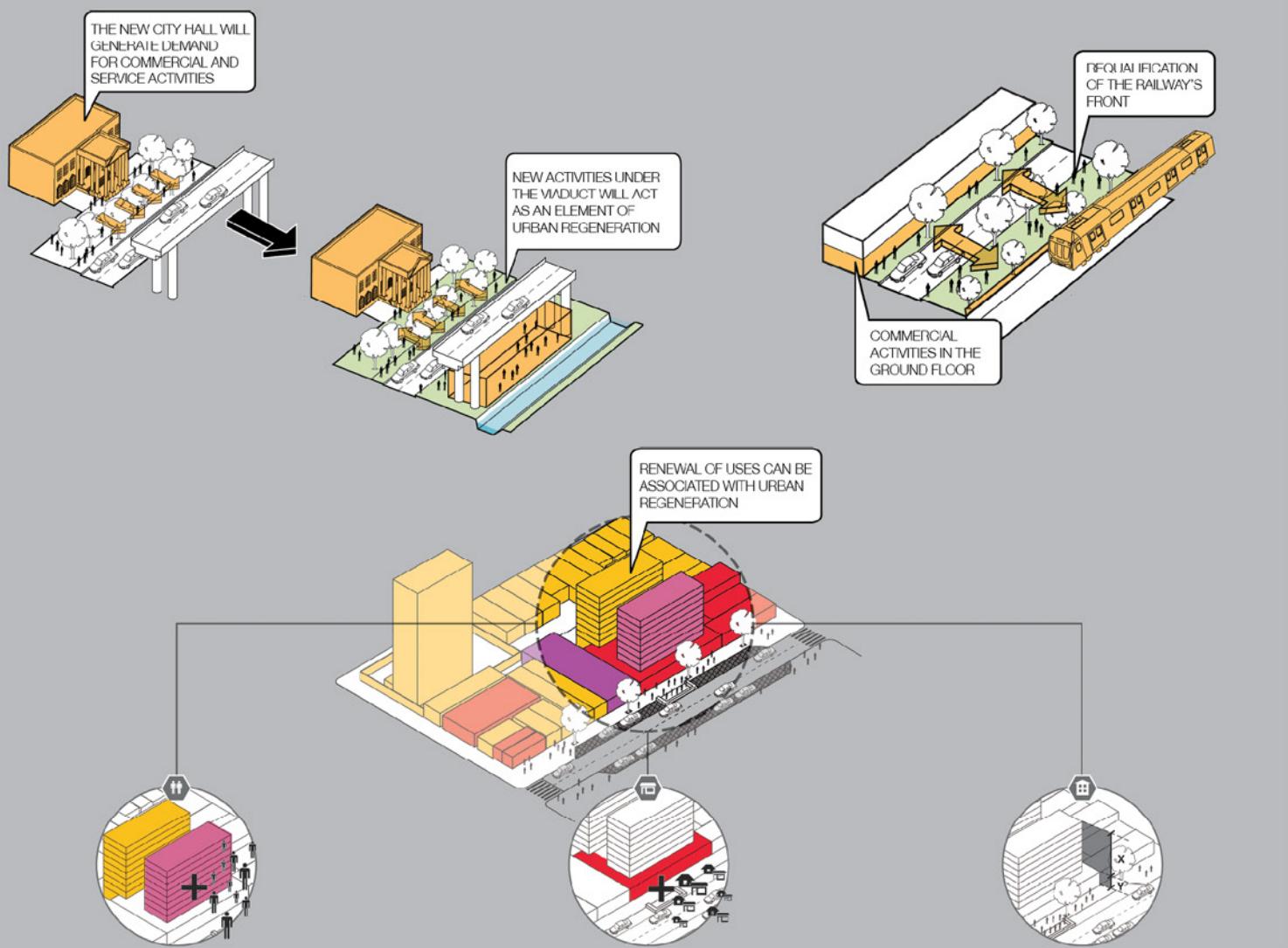
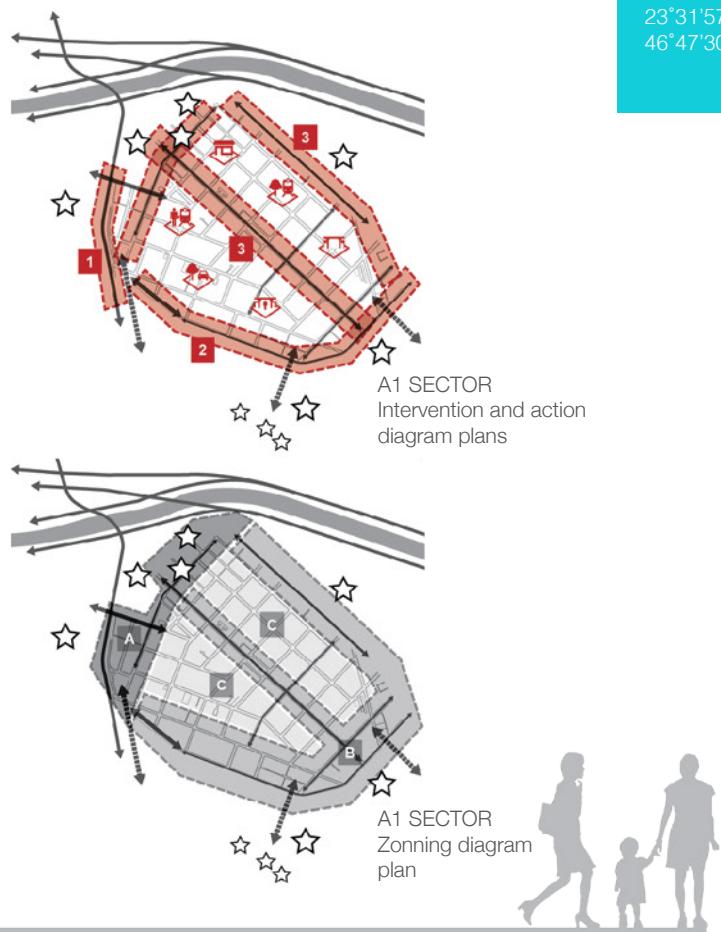
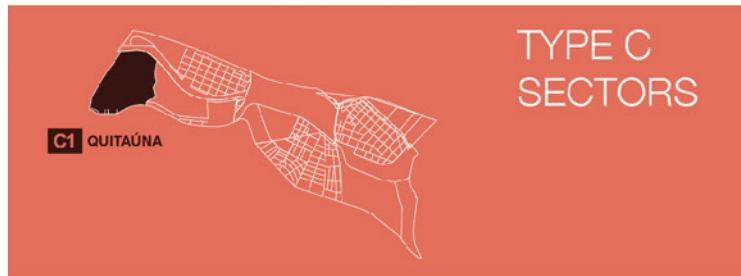
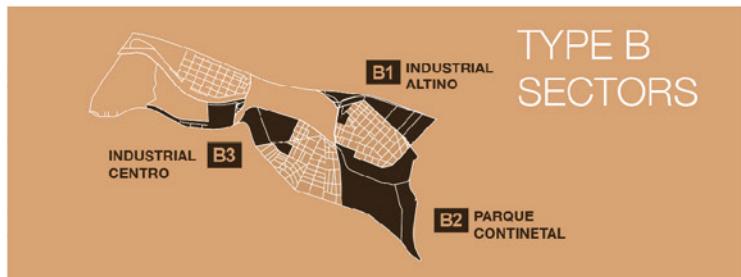
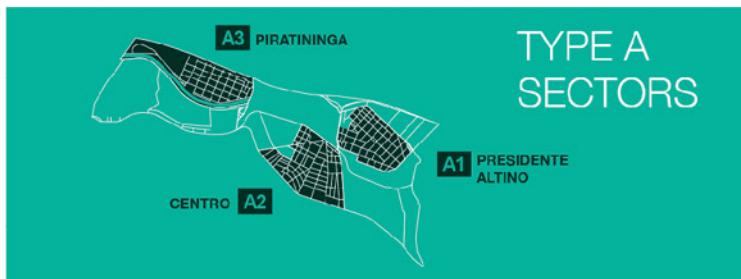
MACROMETRÓPOLE PAULISTA

REGIÃO METROPOLITANA DE SÃO PAULO



MUNICÍPIO DE OSASCO

ÁREA DO EIXO TIETÊ OSASCO



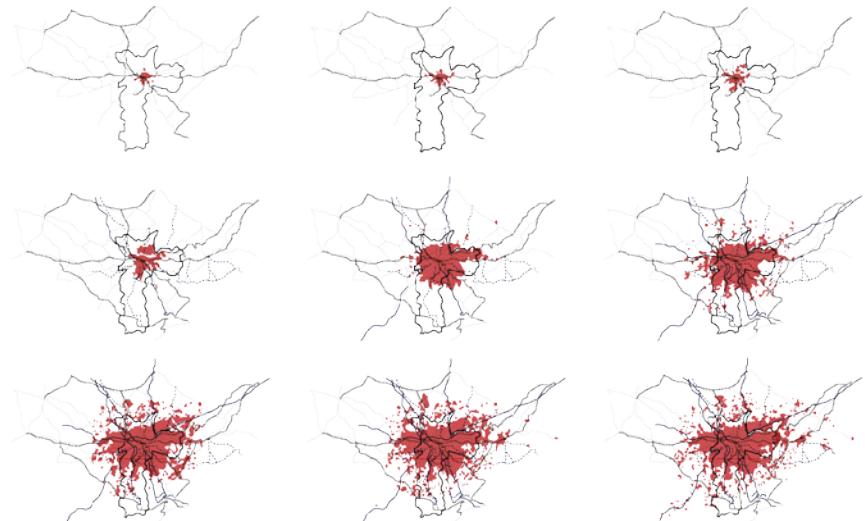
Arco Tietê Urban Development Strategies

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

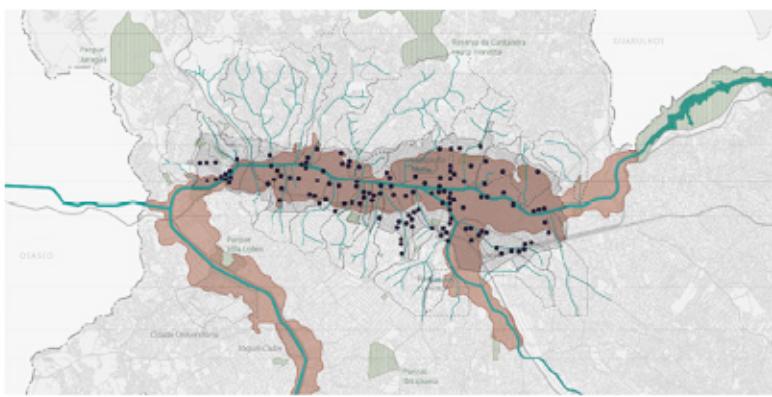


3

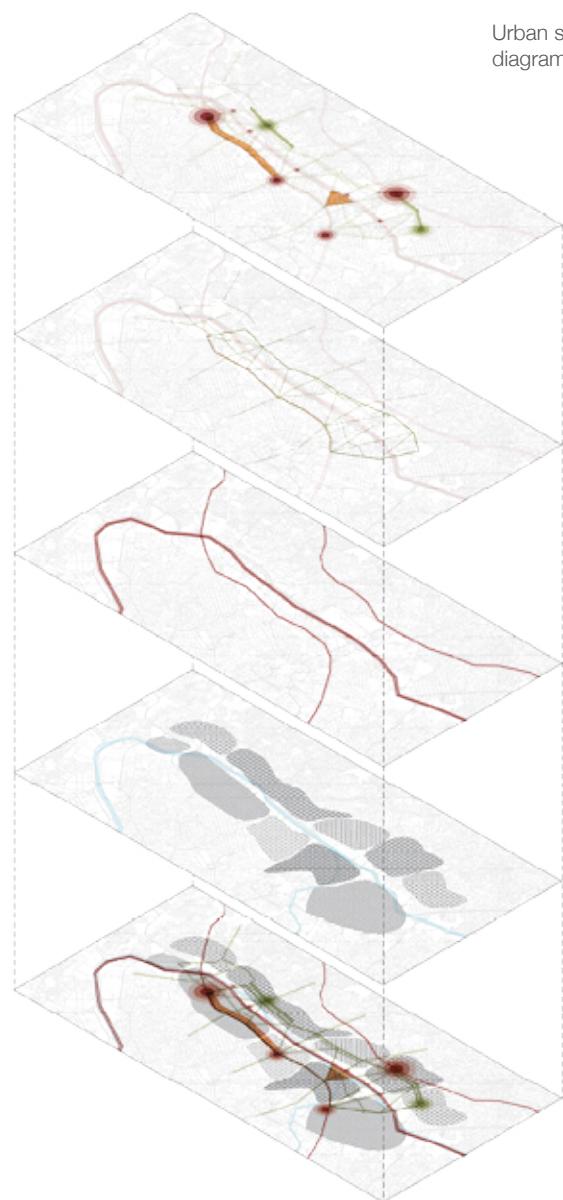


Conceptual diagrams:
1. Compact city and polycentric
2. Mixed-use
3. Mixed-income development

Urban analysis:
Macrodrainage system
Street network
Industrial zone



Urban strategies
diagram plan



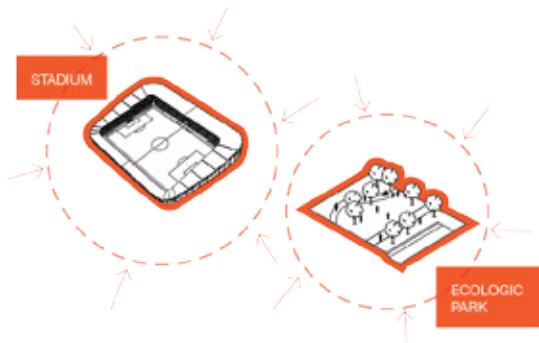
Rochdale Mixed-use Sports Complex Proposal

Osasco, São Paulo

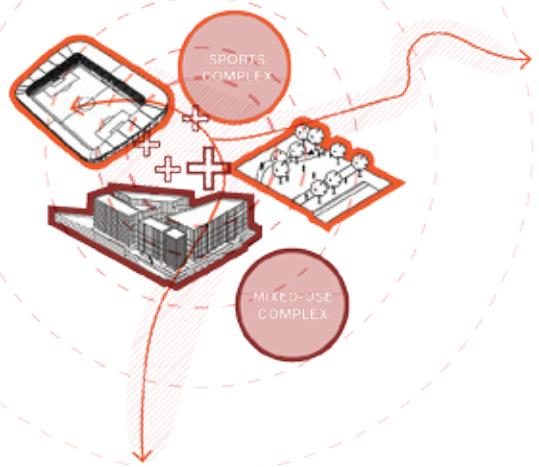
The proposal connects existing public areas to the project intervention (public+private sectors) to built a new centrality in the city of Osasco. In this way, the project matches a

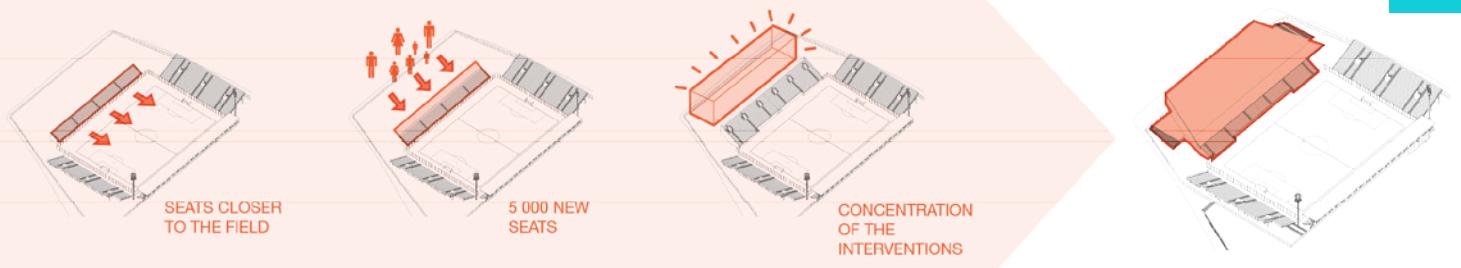
Sports and Mixed-use Complex with the blue-green pre-existing infrastructure, transforming this area in a strategic axis for the development of new activities and uses.

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

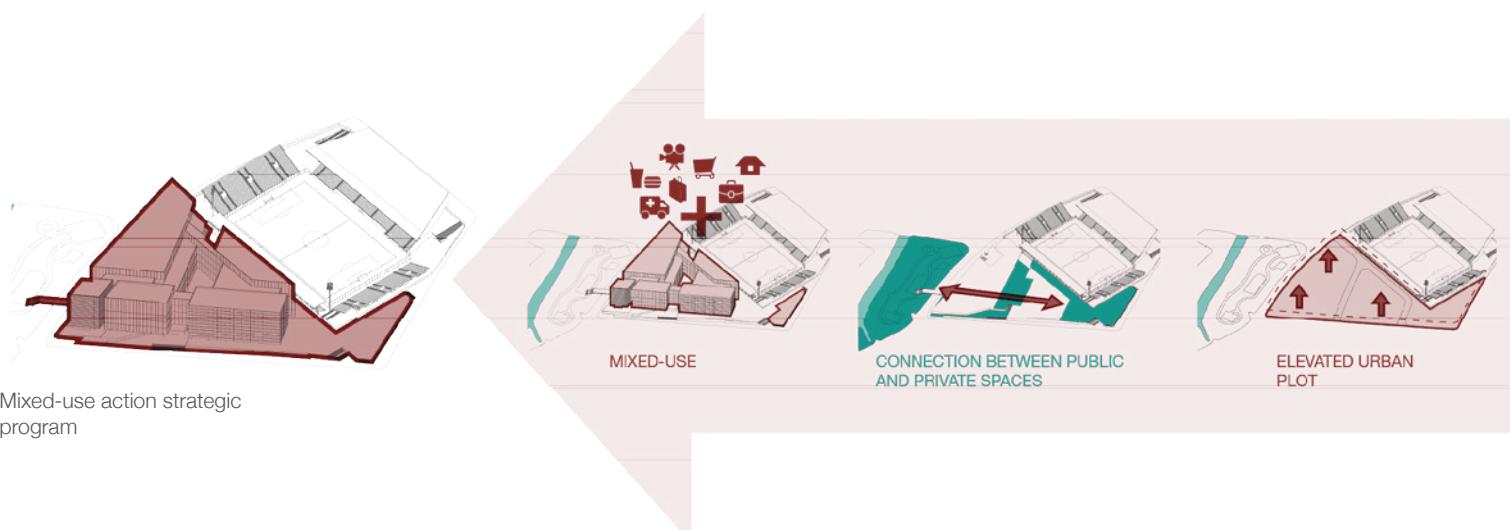
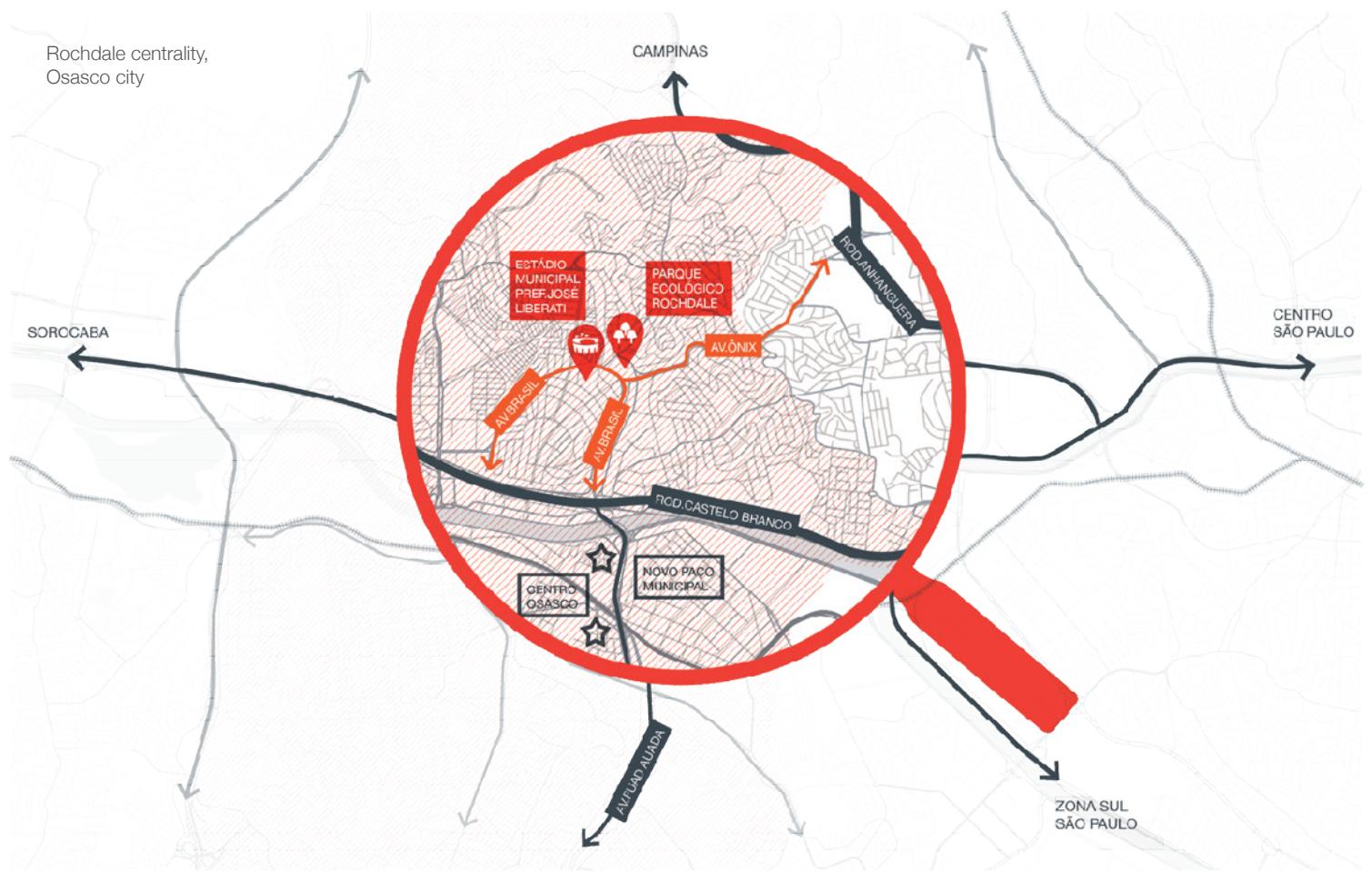


Integrated actions
brings value to public
and private spaces





Sports Complex action strategic program



National Complex Museum Masterplan

Administrative City, South Korea

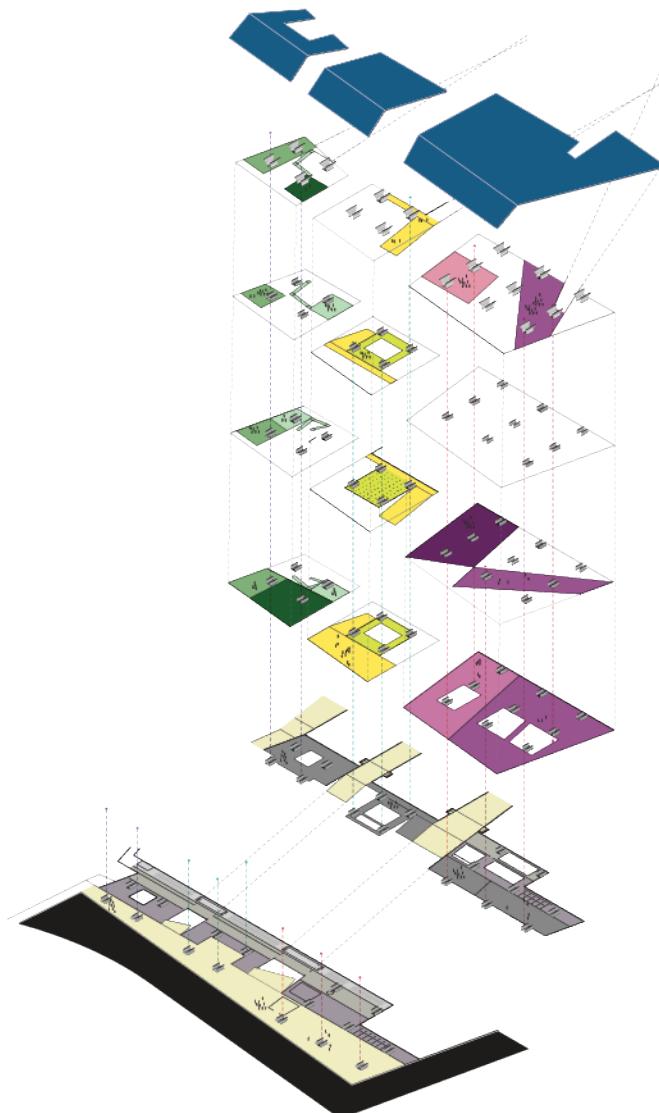
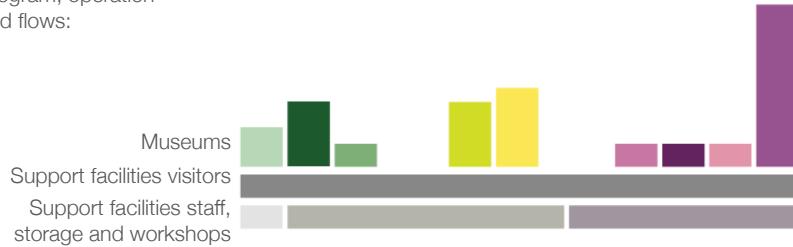
The proposal was for an International Competition. We thought of the project as a critical change in relation to the surrounding topography, and the built scenery as a reinvention of the existing place as synchronized movement

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

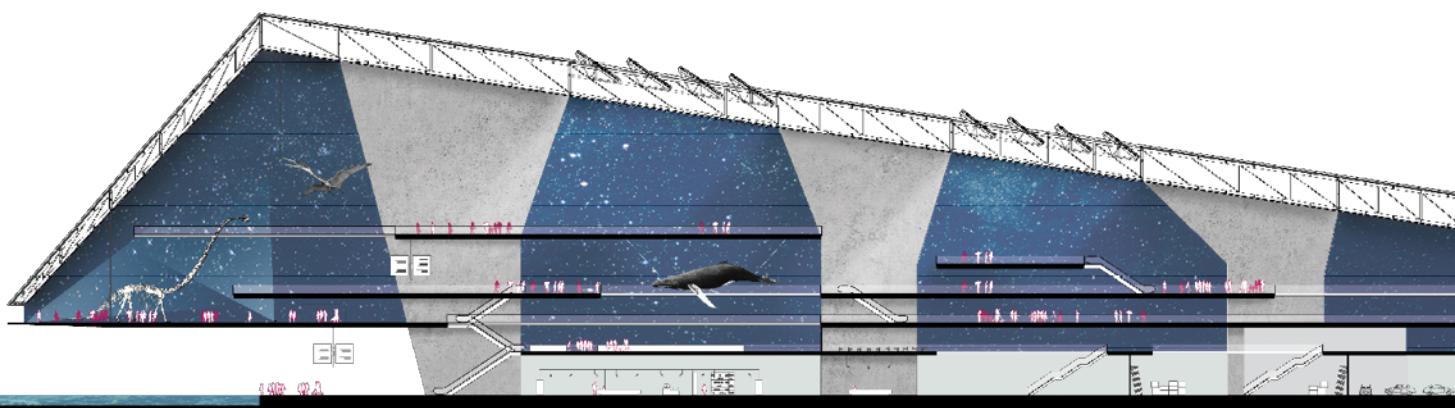
Responsible for leading the design team and reporting to the Design Principals. Also developed the masterplan, concepts drawings, diagrams and the competition boards design.



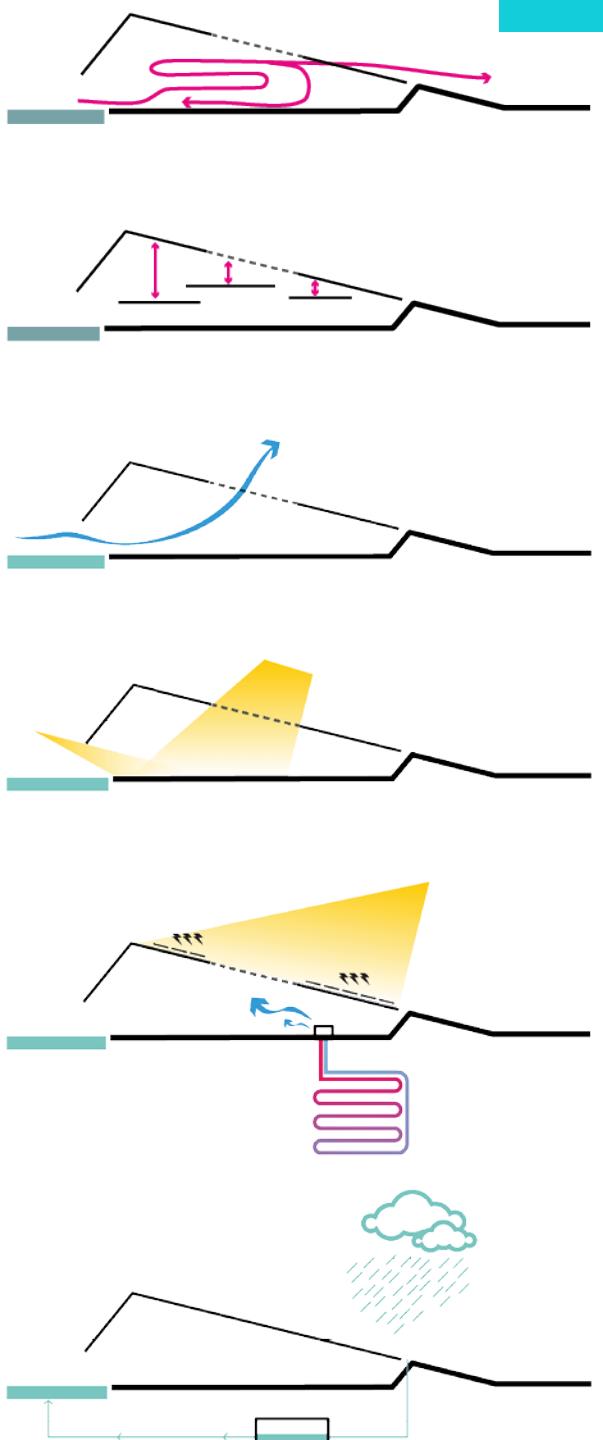
Program, operation
and flows:



Museum
section



Conceptual diagrams:



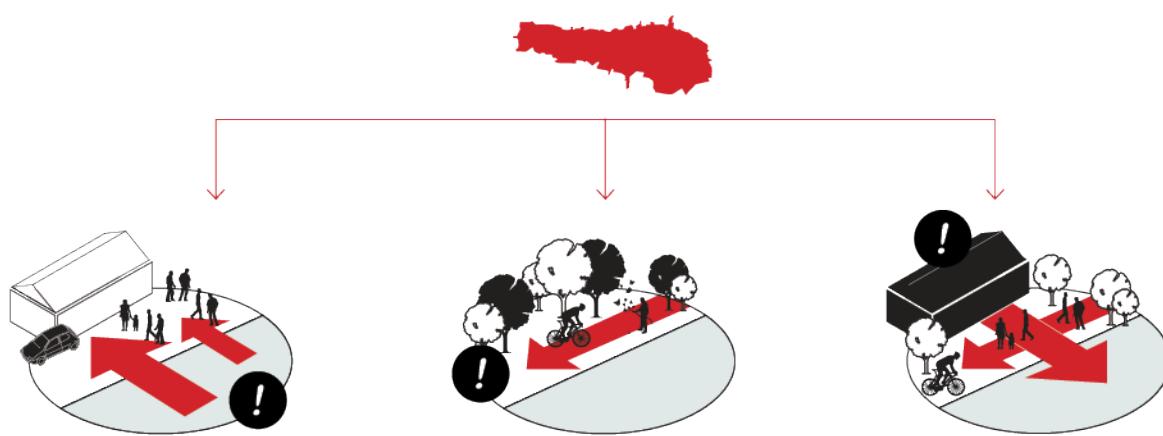
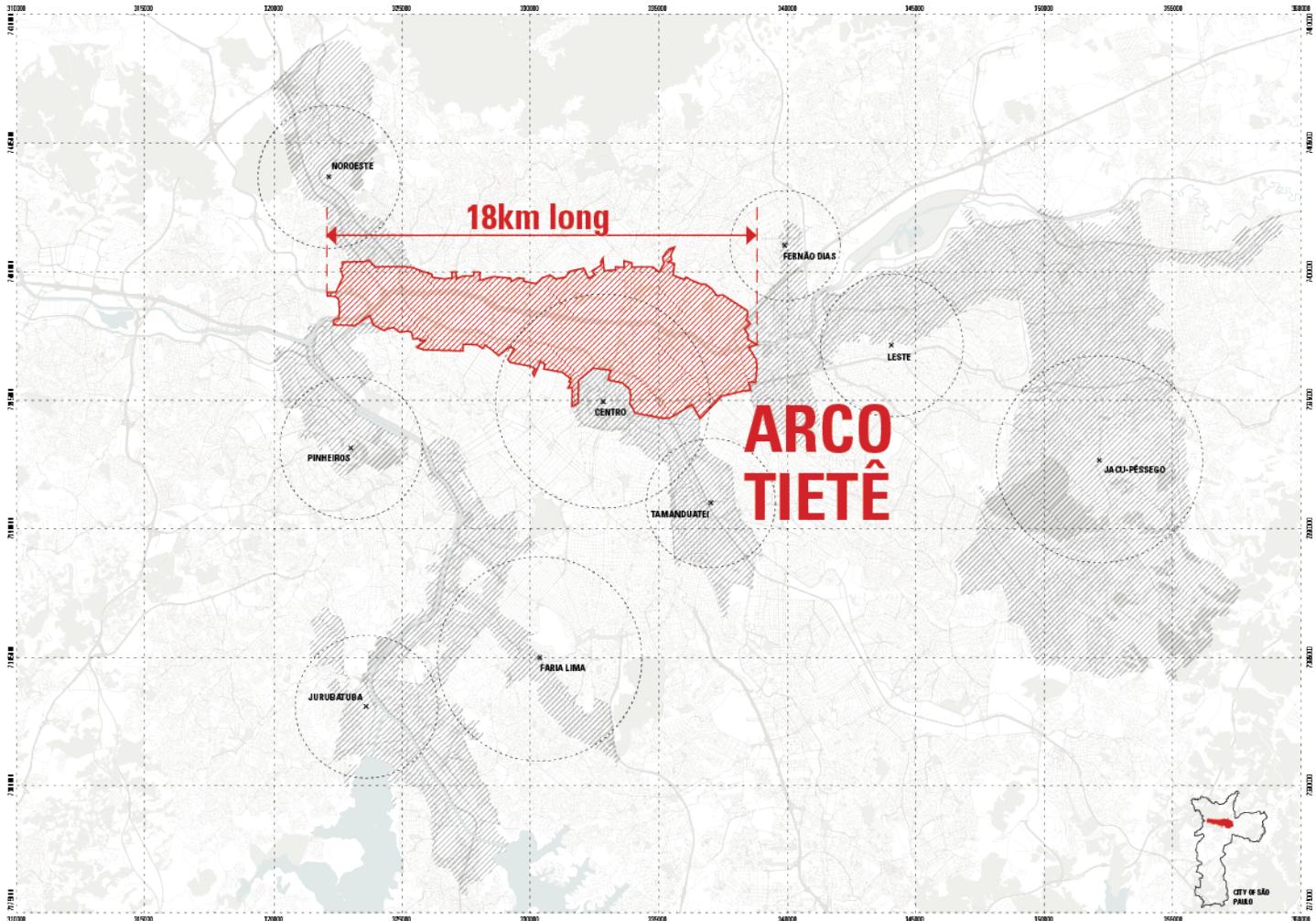
Urban design Graphics Support

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.

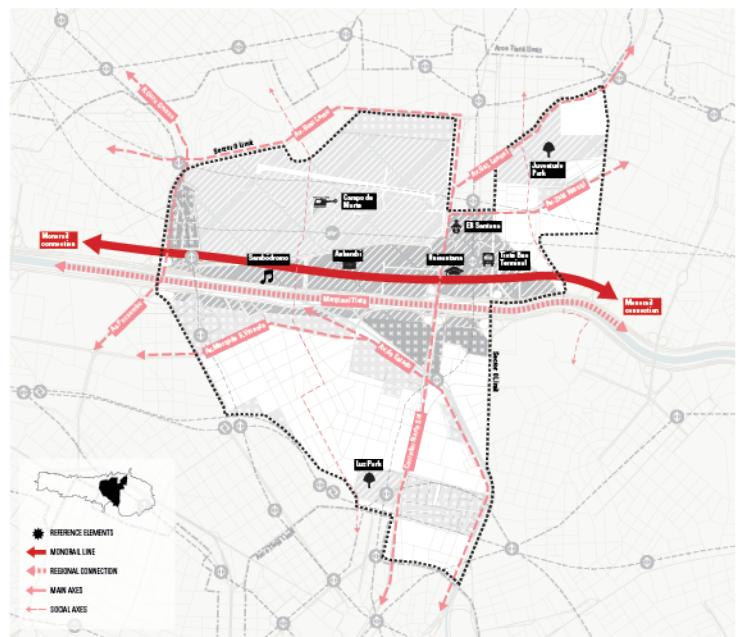
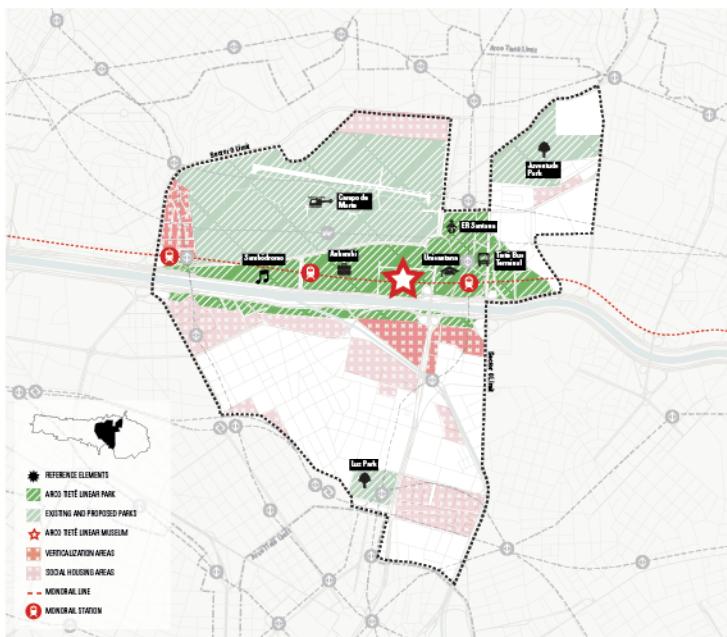
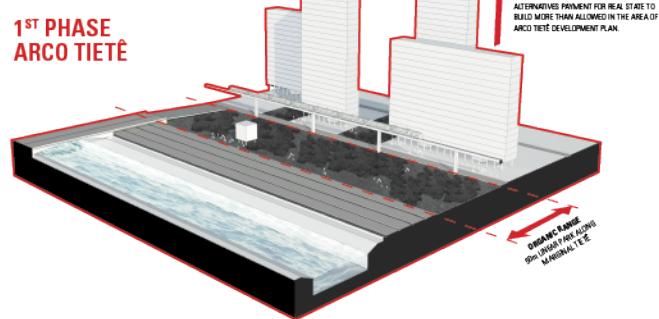
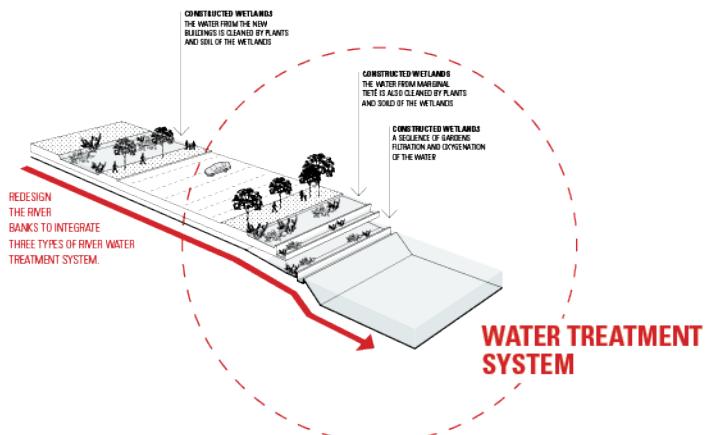
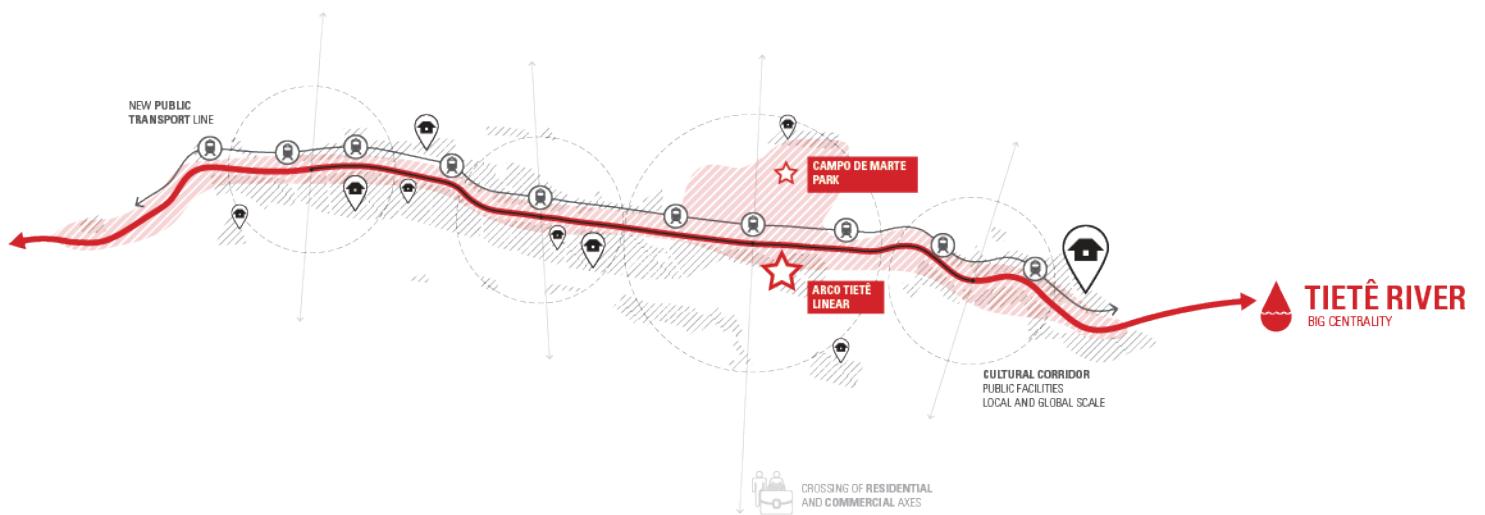


THE LINEAR PARK WILL HAVE
APPROX. 1 MILLION M²

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



36 PAVILIONS OVER
18 KM



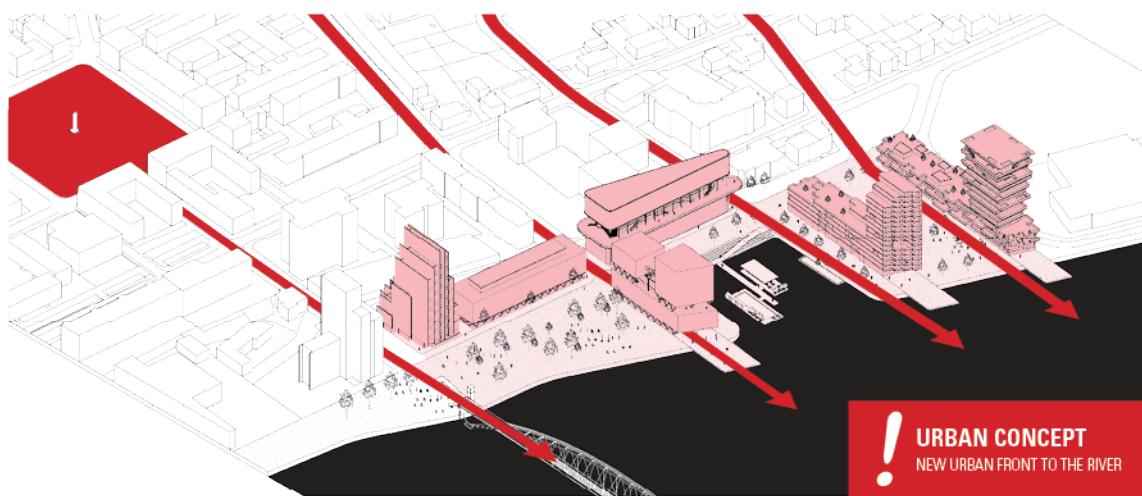
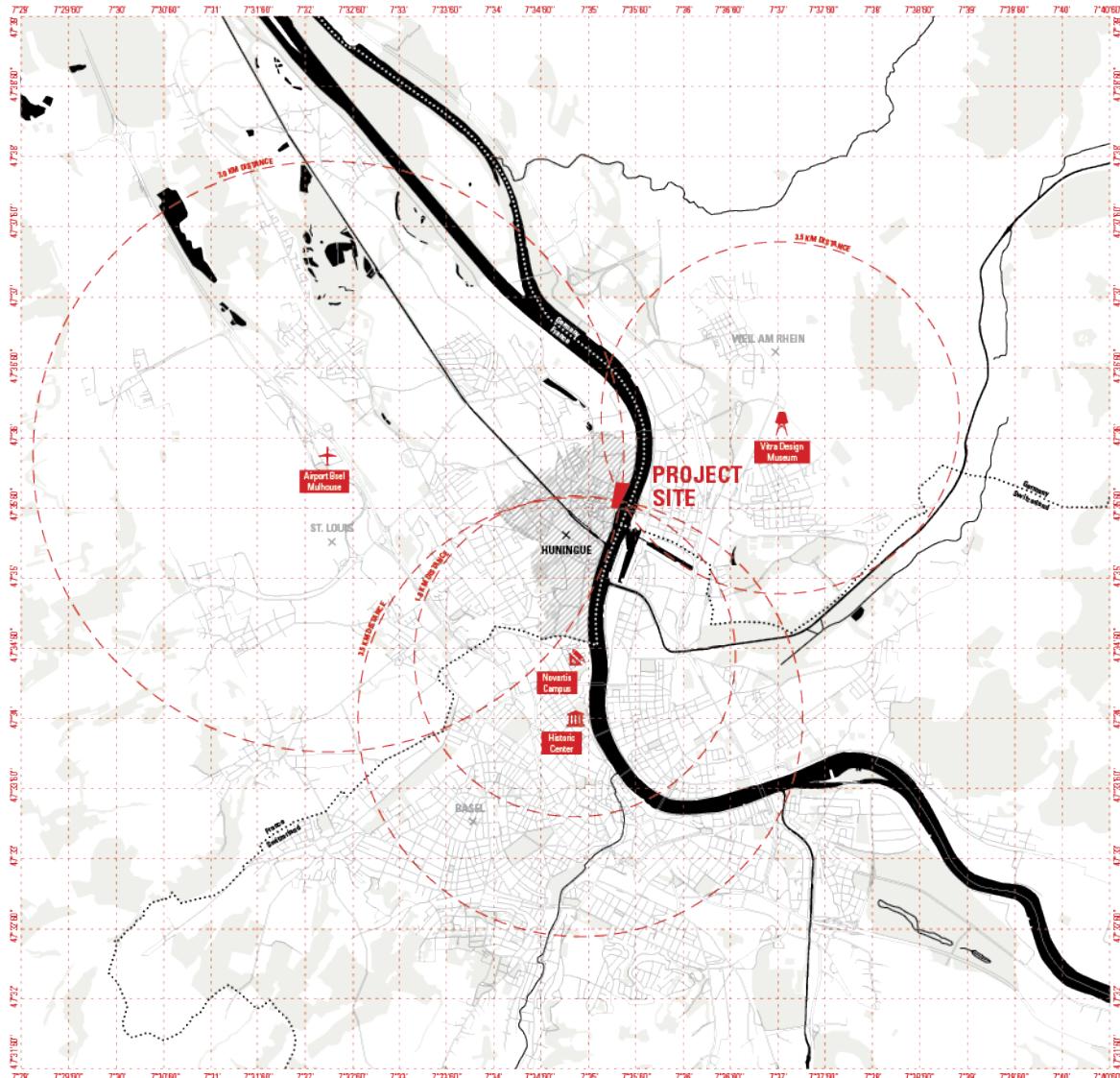
Urban design Graphics Support

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>



! URBAN CONCEPT
NEW URBAN FRONT TO THE RIVER

