



**louis leclert**  
**engineer-architect**  
**portfolio 2013**

## Itinerary

Born 20/05/1984

French

Master degree in Architecture and Civil Engineering  
Master degree in Management Engineering

### Professional experience:

- 2011 - Freelance Architect at NEY&Partners, Brussel
- 2009 - 2010 Environmental Designer at Franck BOUTTE, Paris
- 2007 - 2008 Internships at Rudy RICCIOTTI, France

### Informatic skills:

- Graphic: Photoshop, Illustrator, Indesign, Gimp, Inkscape
- Drawing: AutoCAD, VectorWorks
- 3D: 3DS, Rhino, Grasshopper, SketchUp, ACAD
- Eng.: SCIA, DiaLUX, Ecotect
- Other: Artlantis, V-Ray, Premiere, C & HTML Prog.

### Languages:

- French : mother tongue
- English, Italian : fluent,
- Russian : spoken
- Chinese, Dutch : basic knowledge

Louis LECLERT

BELGIQUE  
FRANCE

+33 675 240 568

[louis.leclert@gmail.com](mailto:louis.leclert@gmail.com)

<http://www.louisleclert.com/>

## Louis LECLERT LAND

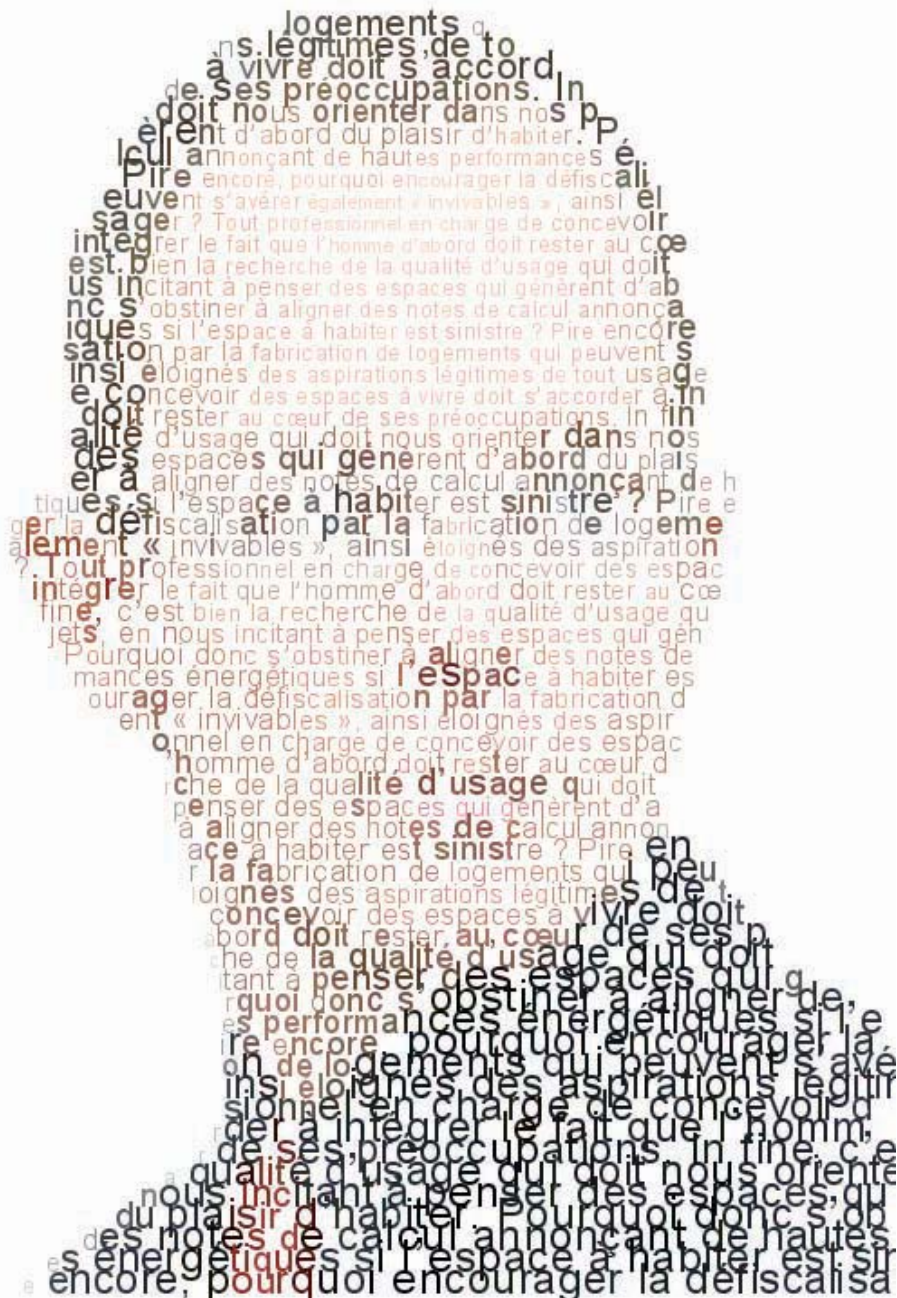
Passionated by architecture since childhood, I have drawn my professional course on the main feature of the profession: multidisciplinary.

I thus started with an intense scientific education and then turn into an international double degree to graduate as Engineer-Architect, with honours.

I performed several internships at Rudy RICCIOTTI's architectural studio.

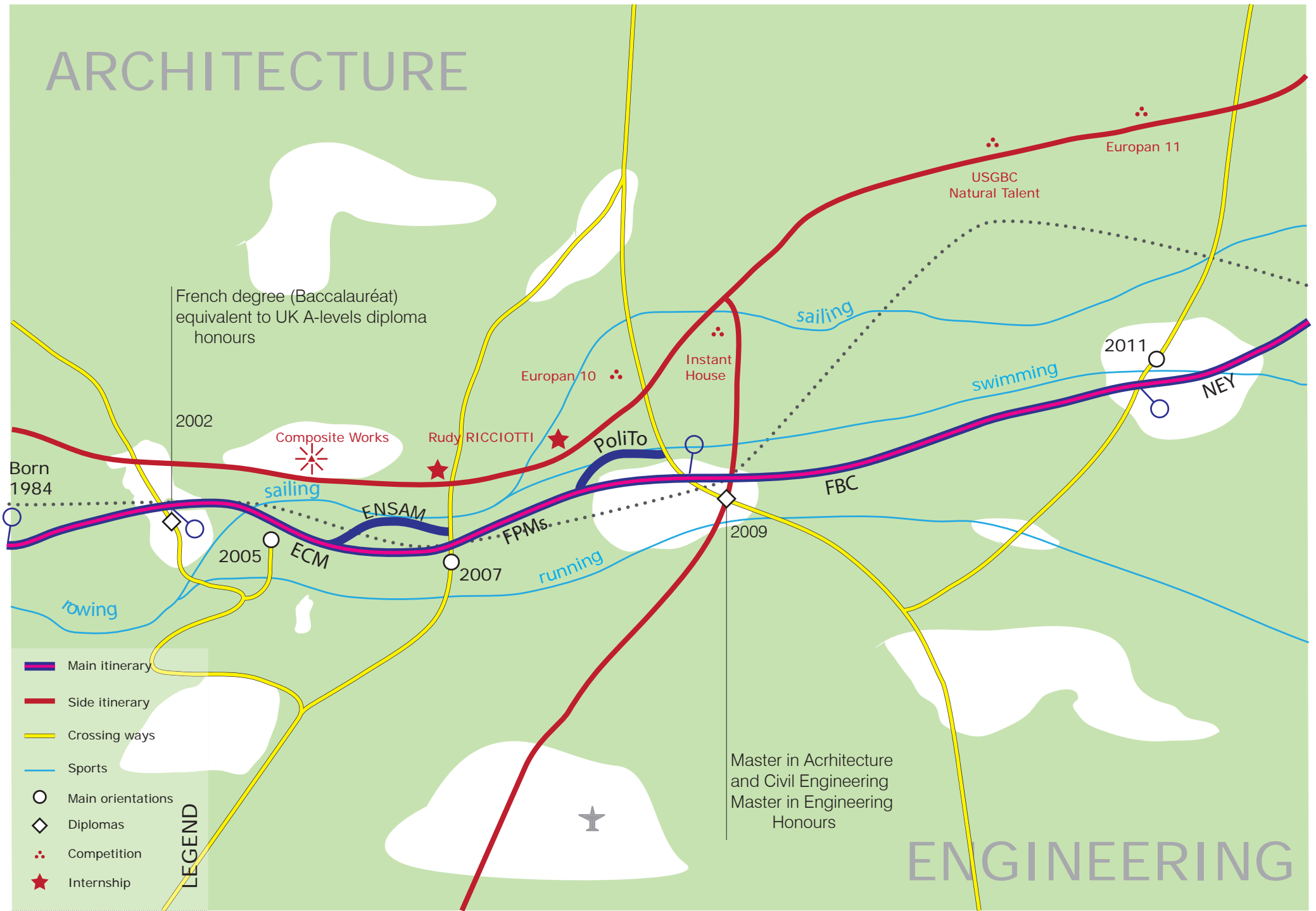
Then I started to work in environmental engineering to have a sharp practical knowledge of this fundamental issue. After that I develop my structural skills as independent designer at Ney & Partners in Brussels.

I continuously design for personal projects and competitions beside my main job.



# ARCHITECTURE

# ENGINEERING





### Context



Student Pro

### Scale



Urban Archi Product

### Program



Housing Work Leisure

### Step



Conception Studies Realisation

### Structure



Metal Wood Concrete Fabric

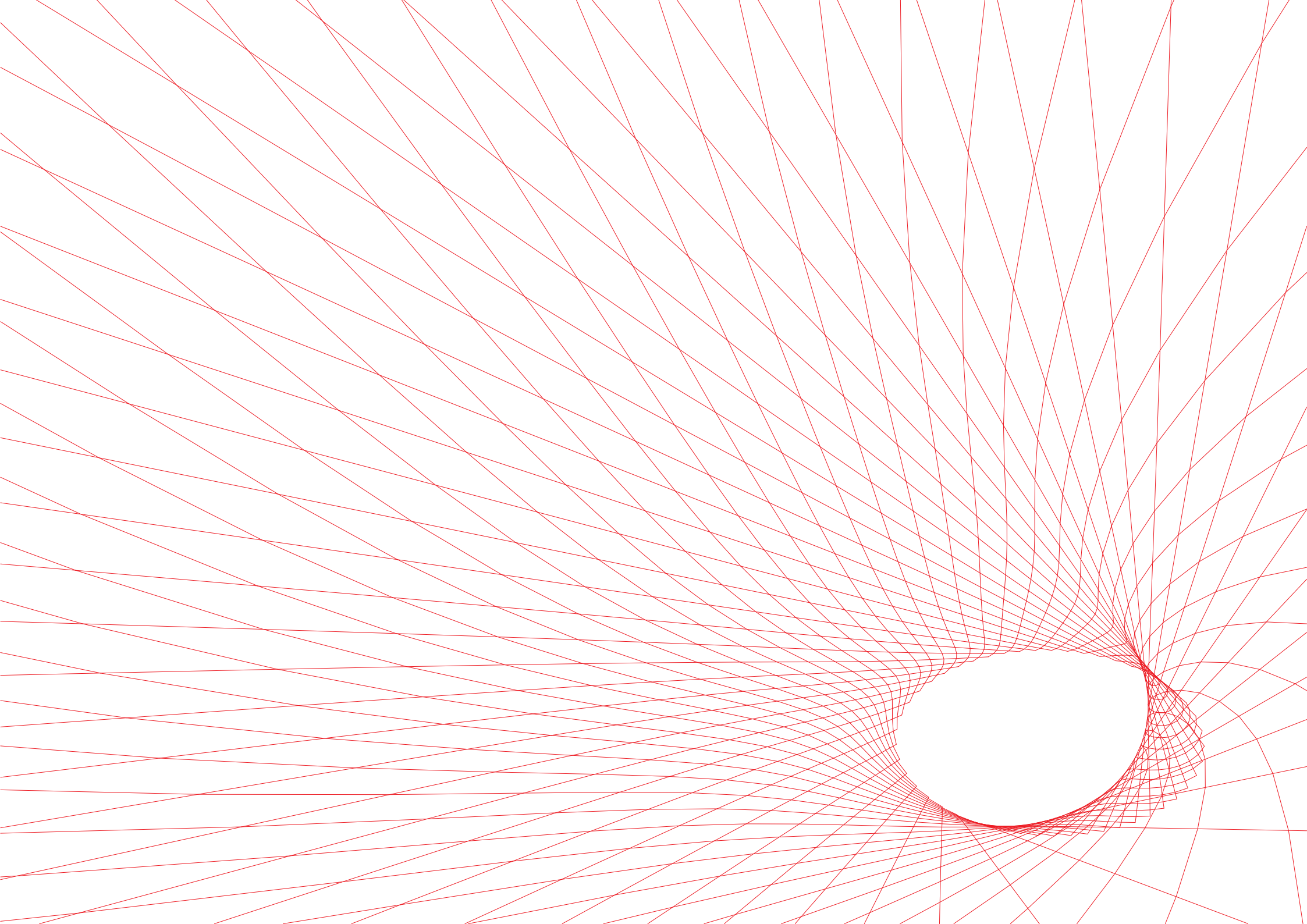
### Topics



Structure Detail Thermal Nat. Light Artificial Acoustic

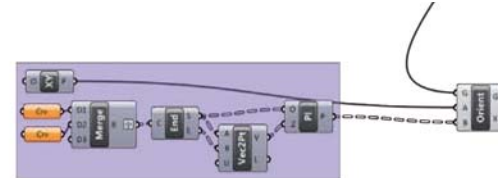
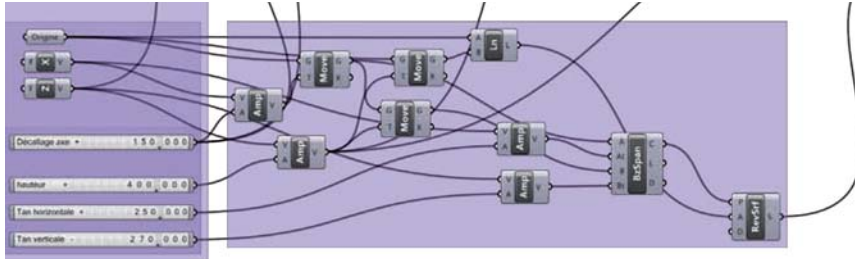
### Projects chart





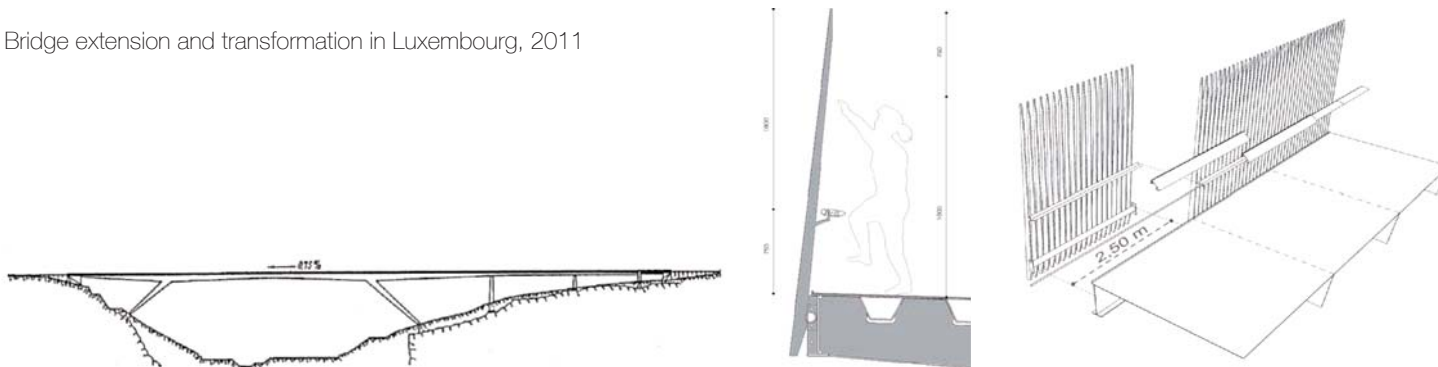


Footbridge in Geneva, Switzerland, competition, 2011



Parametrical modelisation, Footbridge in Shenzhen, China, 2012

Bridge extension and transformation in Luxembourg, 2011



## Structural design



Several projects  
All steps  
2011 - 2012  
Belgium

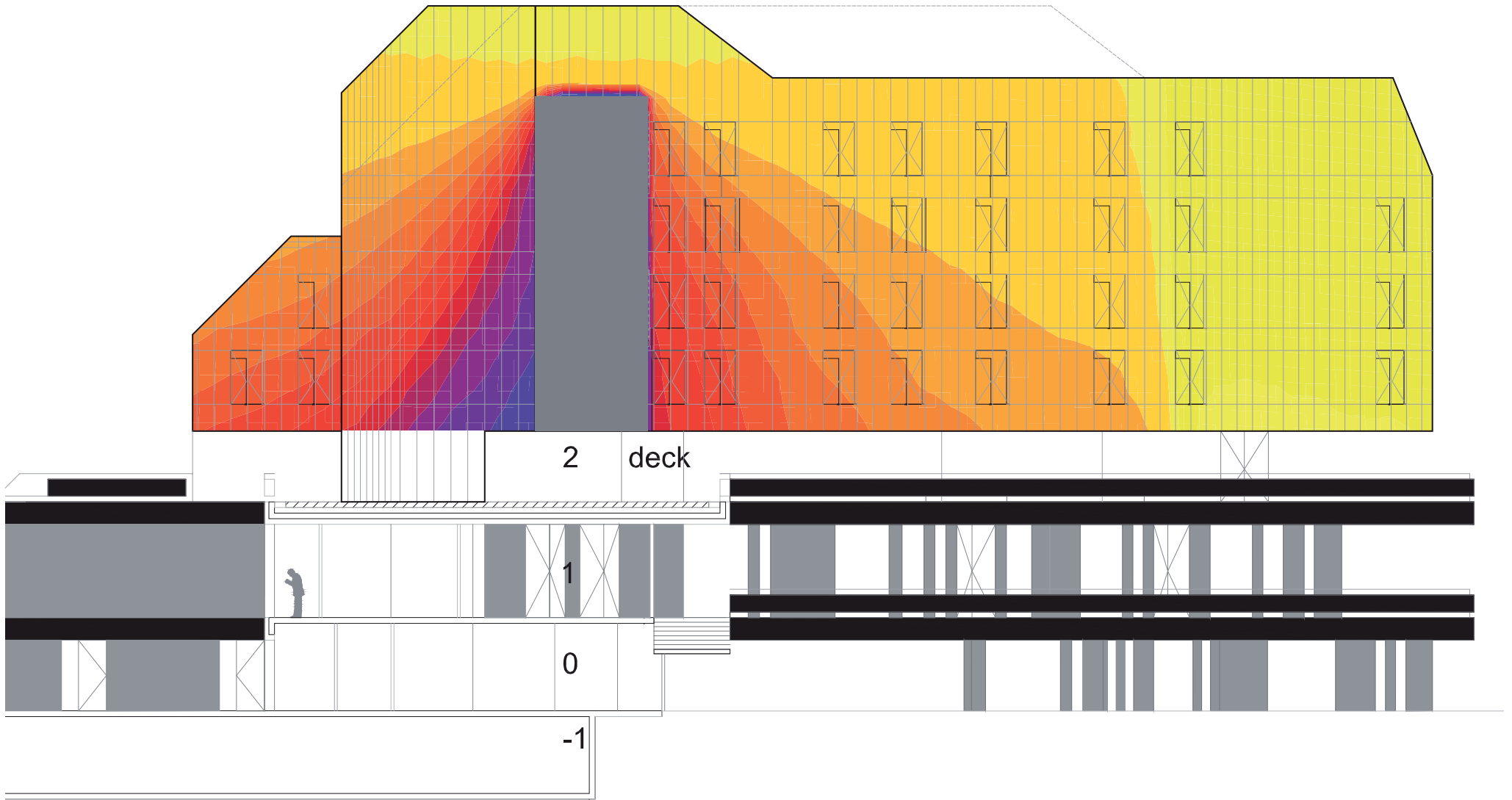
Project teams:  
Between 1 & 12  
people

Directly integrated into a structural engineering team, I am the the project architect during conception phases and meetings with clients.

I realise 3D models, mostly parametrical. I prepare 2D drawings, finish architectural drawings and supervise draftmen's work. I coordonate brochures, renderings and physical model realisations for competitions and design steps. I am responsible for budget and timing management on a few projects.

- > Detailed design
- > Structural calculation
- > Architectural conception





Irradiation simulation - La Mie de Pain - Robain Gueysse arch.



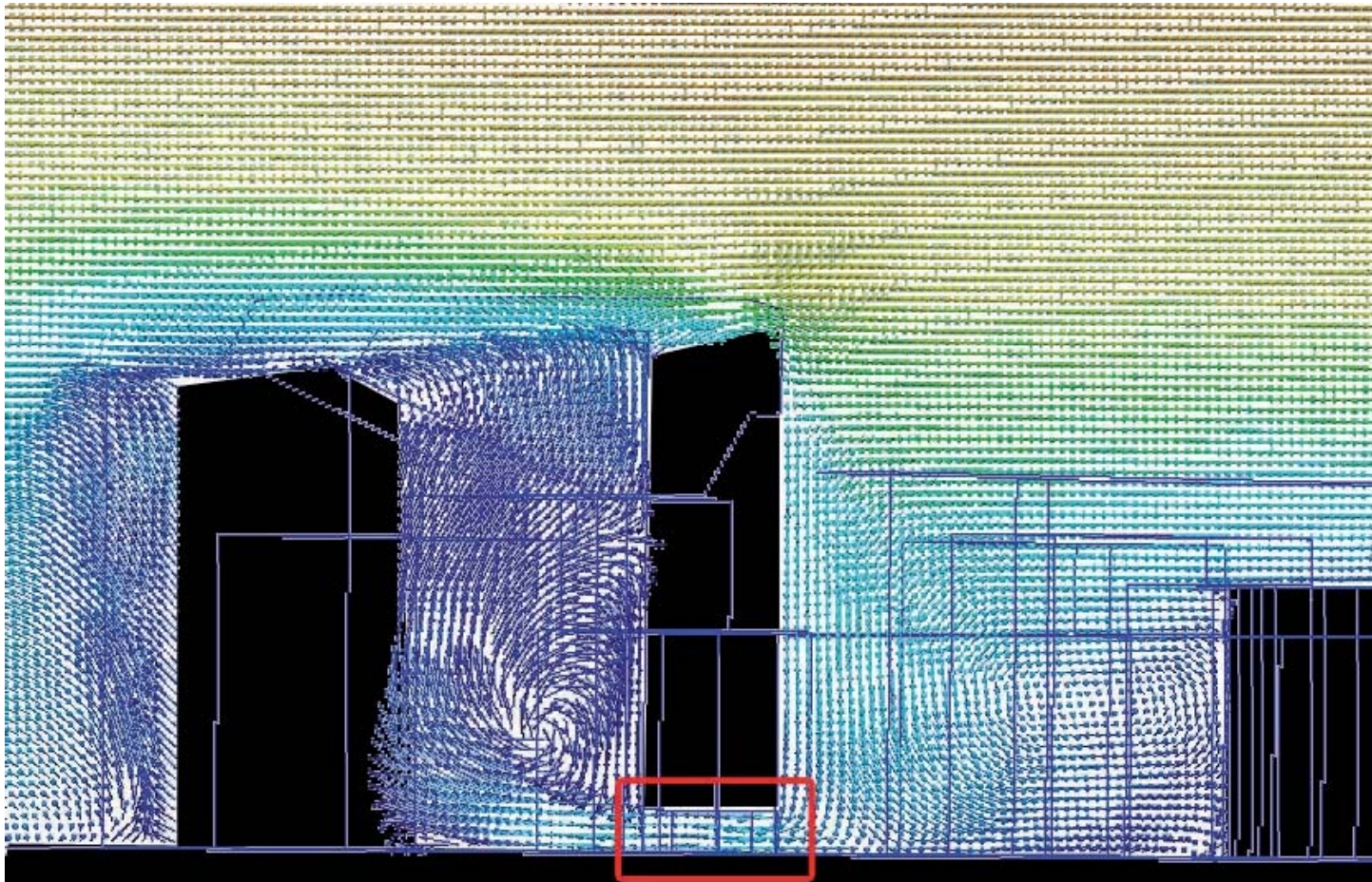


# Environmental Design

**Franck Boutté**  
consultants  
Conception & Ingénierie  
environnementale

Several projects  
All steps  
2009 - 2010  
France

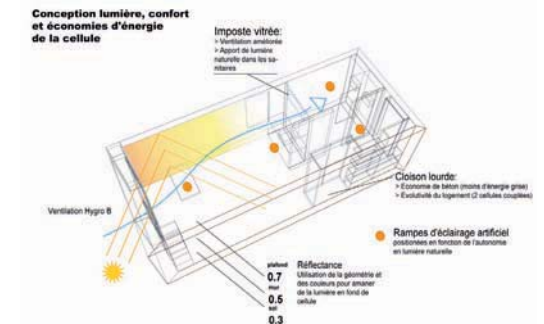
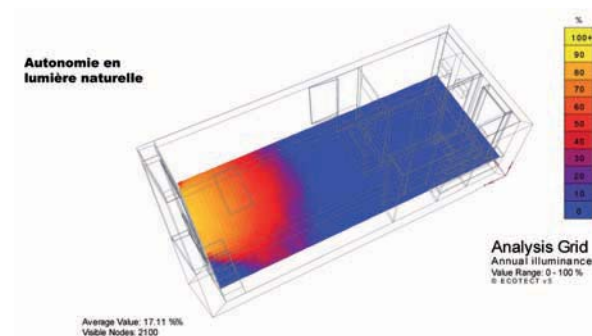
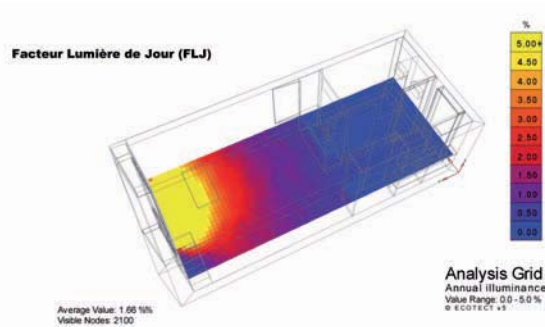
Project teams:  
Between 1 & 4  
people



Wind simulation in the entrance - ZAC Cardinet - Périphériques arch.

At the center of the interaction between architects, engineers, and clients, I developed environmental strategies. From the competition to the construction, I optimize morphological, architectural and technical choices to meet the environmental needs (HQE, H&E...) and energetic performance (RT2005, BBC...)

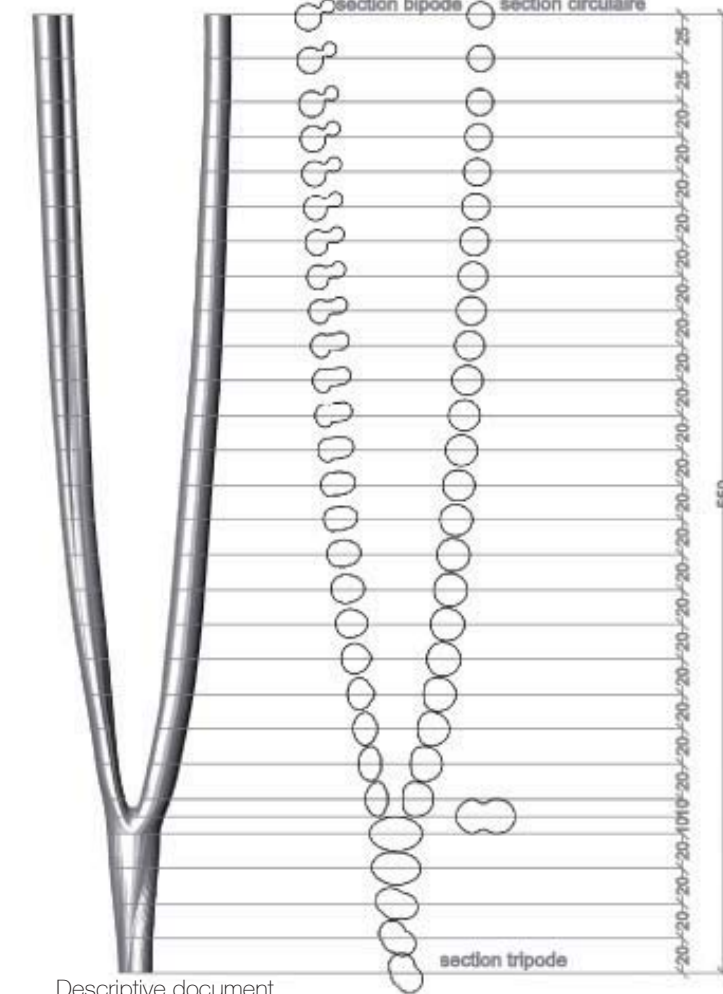
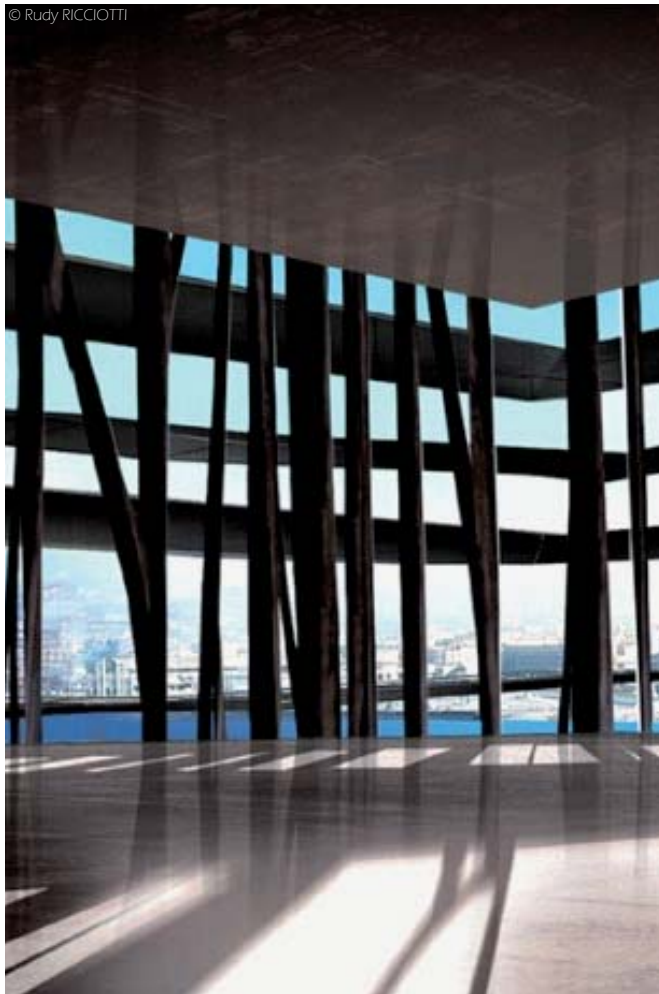
- > Natural lighting simulations
- > Thermal calculations (standards and thermal simulations)
- > Renewable Energy dimensioning
- > Computed Fluid Dynamic simulation
- > Rainwater calculations







© Rudy RICCIOTTI



# Tree-shaped pillars: MUCEM...

rudy ricciotti  
architecte diplômé  
par le gouvernement  
17, bd. victor hugo  
83150 bandol  
☎ 04 94 29 52 61  
fax 04 94 32 45 25  
rudy.ricciotti@wanadoo.fr

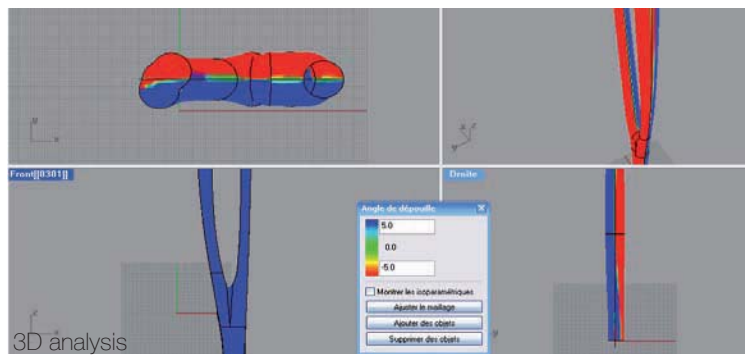
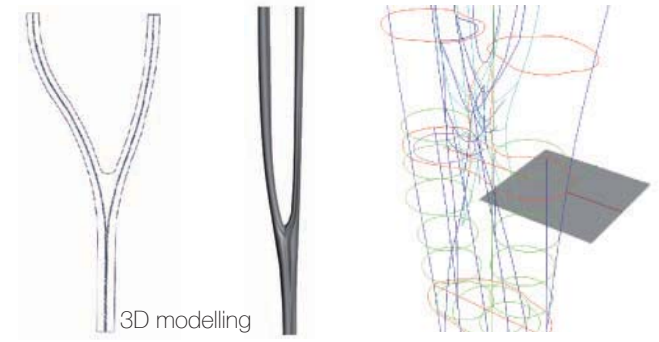
**MUCEM Project**  
**PC - 2007**  
**Museum**  
**Marseilles, Fr**  
**Surf. 13 000 m<sup>2</sup>**  
**UHPFRCconcrete**

**Team:**  
Ramon Otte  
Nicolas Dartigues  
Louis Leclert

The Museum of European & Mediterranean Civilisations, a huge mineral cube, shows a tree-shaped organic structure in Ultra High Performance Fiber Reinforced Concrete (UHPFRC)

In charge of the conception of the production method of the post-tensioned tree-shaped UHPFRC pillars, I designed 3D-models, according to technical and architectural requirements.

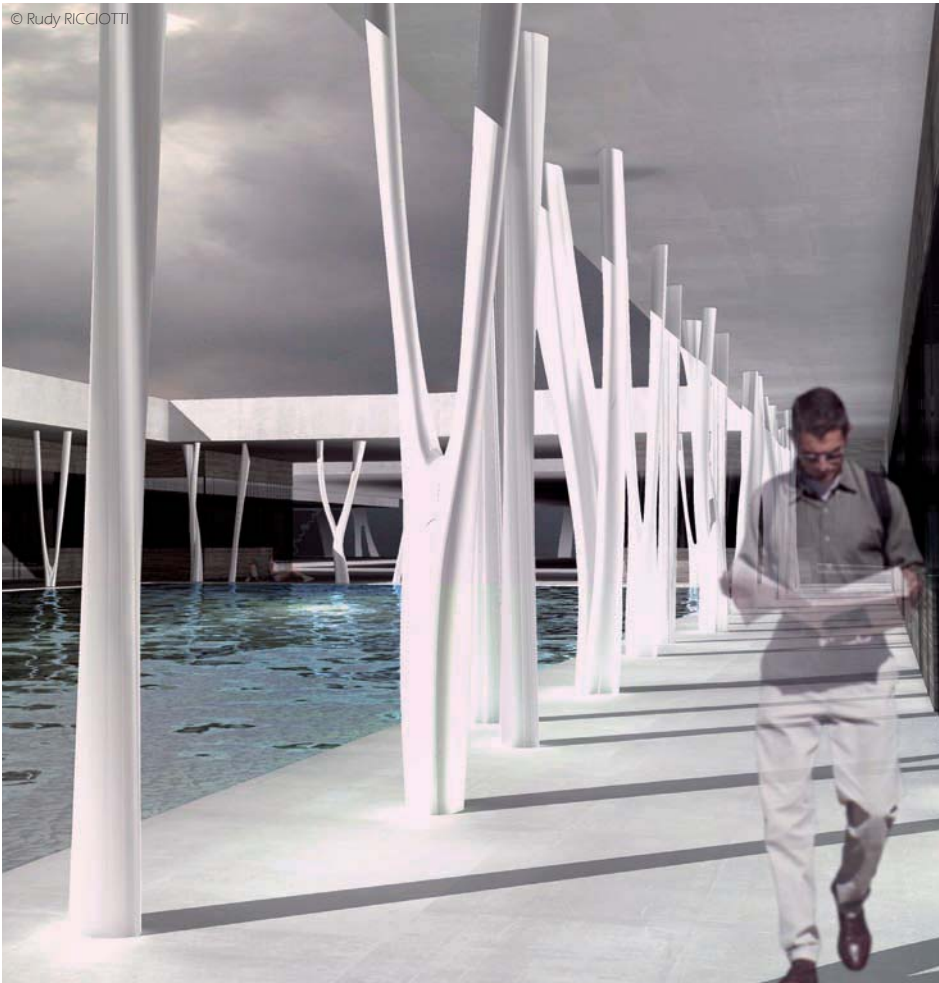
- > Design faithful to architectural concept
- > Development, classification and evaluation of technical solutions
- > Research of industrial partners







© Rudy RICCIOTTI



First Pillar

## Tree-shaped pillars: ...International school

rudy ricciotti  
architecte diplômé  
par le gouvernement  
17, bd. victor hugo  
83150 bandol  
☎ 04 94 29 52 61  
fax 04 94 32 45 25  
rudy.ricciotti@wanadoo.fr

**EIM Project**  
**EXE - 2008**  
**School**  
**Manosque, Fr.**  
**Surf. 4000 m<sup>2</sup>**  
**Concrete**

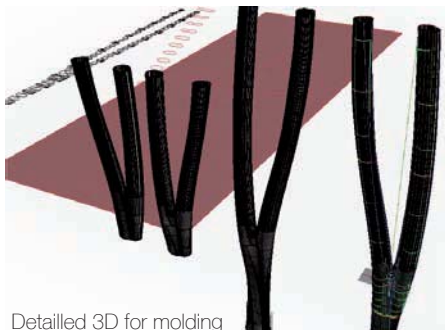
**Team:**  
JL Guedj  
Louis Leclert

The Manosque International School is a school complex built to educate ITER center searchers' children.

Based on a Roman-city plan, the school is surrounded by concrete strips, and organised around atriums bordered by tree-shaped concrete pillars.

> 3D-design of new tree-shaped pillars according to observations on the prototype and molds already realised, in order to achieve an optimal result.

> Design of final production documents



Detailed 3D for molding



Prototype



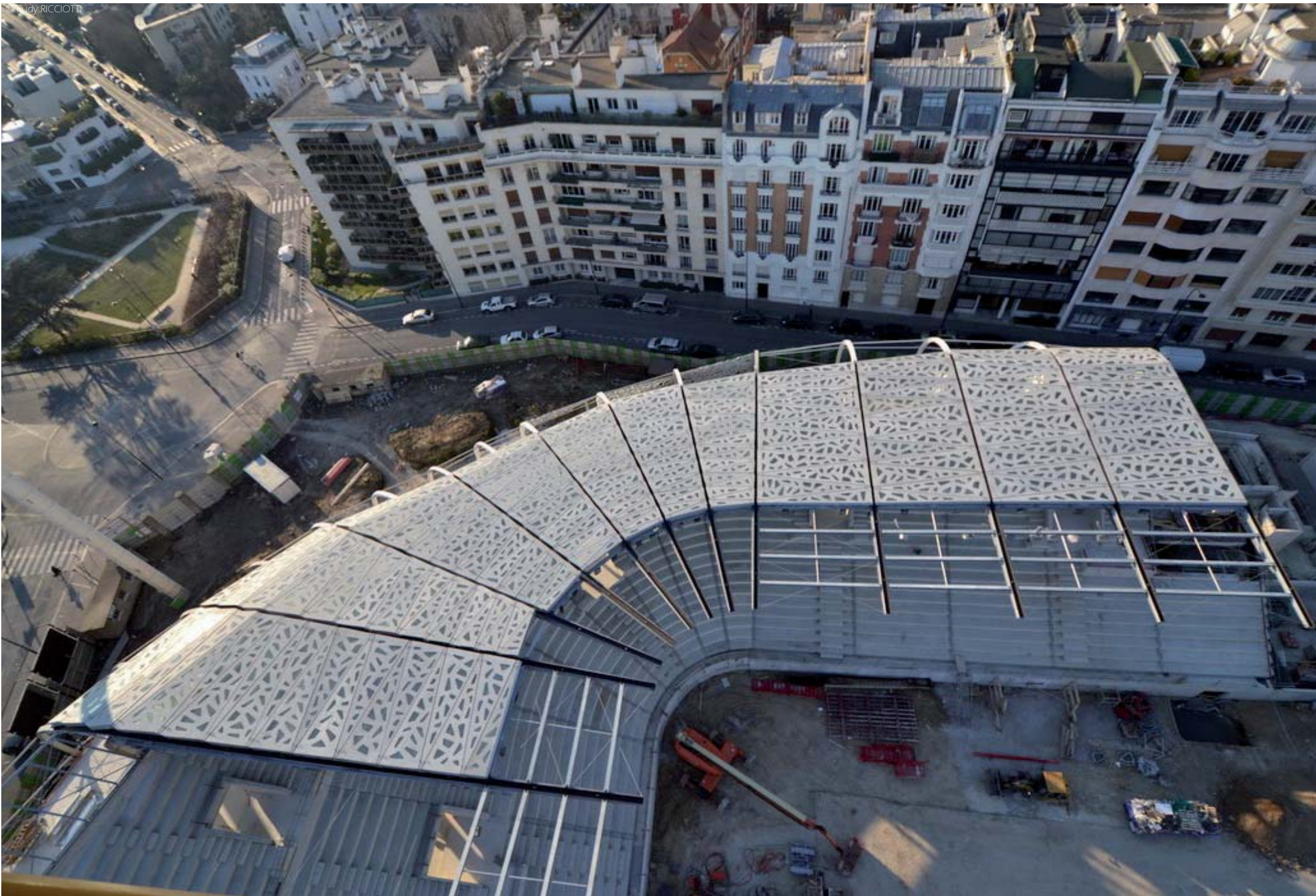
Mold construction



Mold preparation

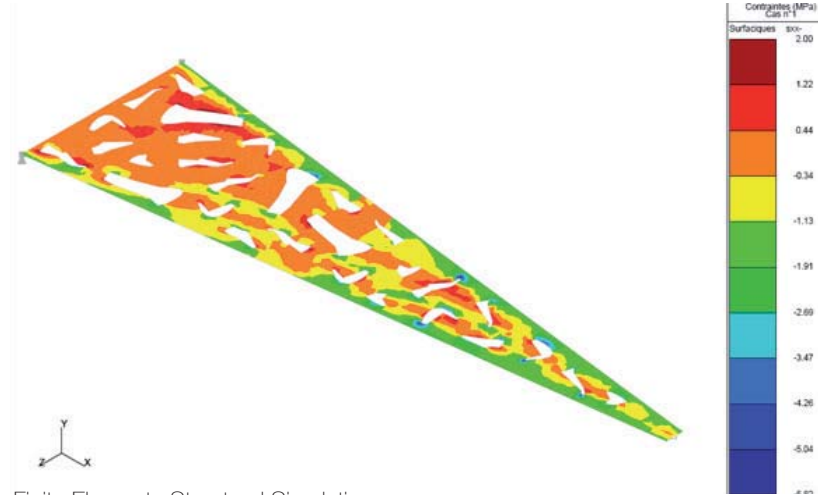


© Rudy RICCIOTTI

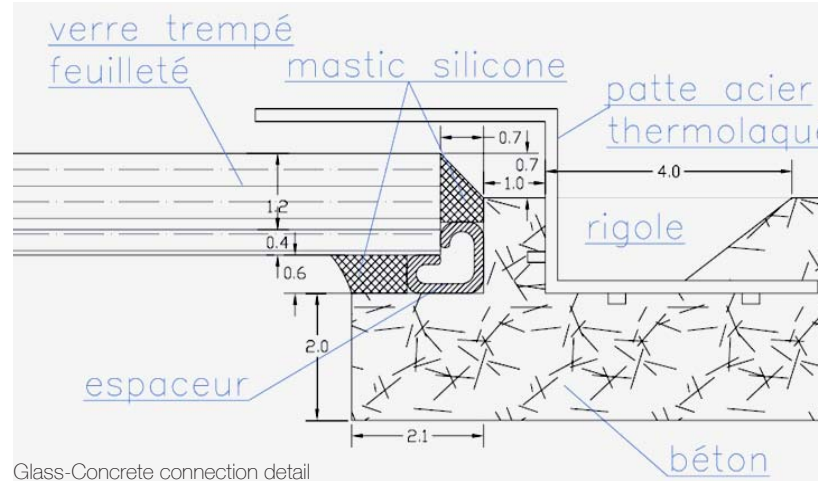




© Rudy RICCIOTTI



Finite Elements Structural Simulation



Glass-Concrete connection detail

# Jean Bouin Stadium uhpfrc roof conception

rudy ricciotti  
architecte diplômé  
par le gouvernement  
17, bd. victor hugo  
83150 bandol  
☎ 04 94 29 52 61  
fax 04 94 32 45 25  
rudy.ricciotti@wanadoo.fr

**Project Jean Bouin**  
**APS - 2008**  
**Stadium**  
**Paris**  
**Surf. 4500 m<sup>2</sup>**  
**UHPFRC**

**Project team:**  
Christ. Kayser  
Romain Ricciotti  
G. Lamoureux  
Louis Leclert

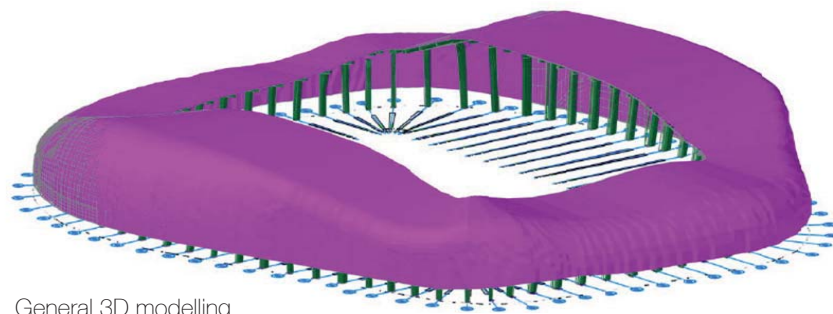
The new restructuring of the Jean BOUIN stadium, in Paris, offer 20.000 covered seats, will be in a UPFRCconcrete lace.

Integrated into the engineering team in charge of the roof design, I took part in the technical developments, in direct relation with the architect.

- > Architectural concept fidelity
- > Implementation
- > Waterproofness
- > Structure
- > Security



Detailed paneled 3D



General 3D modelling



© Rudy RICCIOTTI







# Transformation Belleville Duplex

Private Project  
Transformation  
Paris, Fr.  
2 Bedrooms apt.  
Surf. 70 m<sup>2</sup>  
Masonry, Wood, Steel

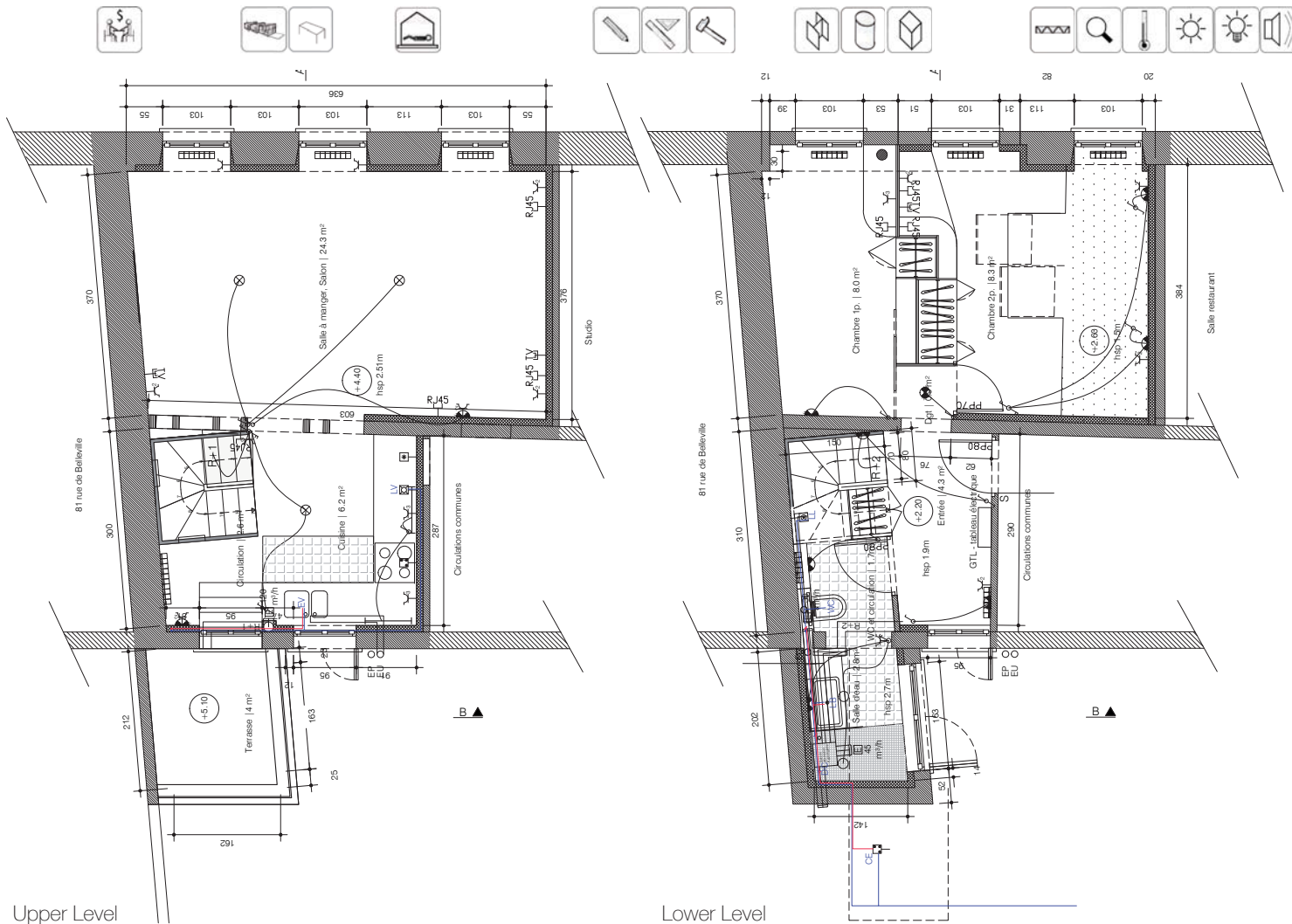
Design team:  
Louis Leclert

Construction:  
LCR  
Maxime Grigaut

Two abandoned floors of a nearly collapsing building are to be transformed. The aim is to convert them into a 70 sq. meter duplex of high value for renting.

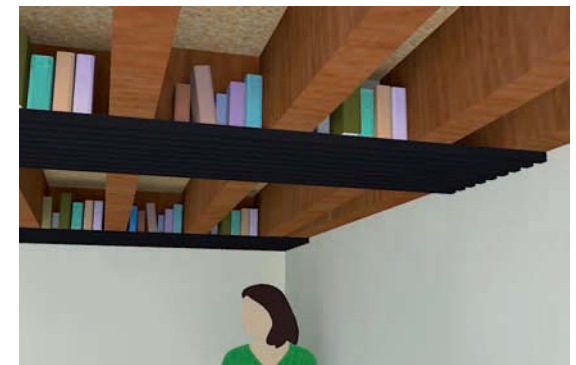
The proposal is to take advantage of the small ceiling height of the lower level to place the entrance, bedrooms and bathroom, while the upper level is fully open and dedicated to living spaces.

- > Heavy transformation
- > Coordination with structure work ongoing
- > Low budget and short timing

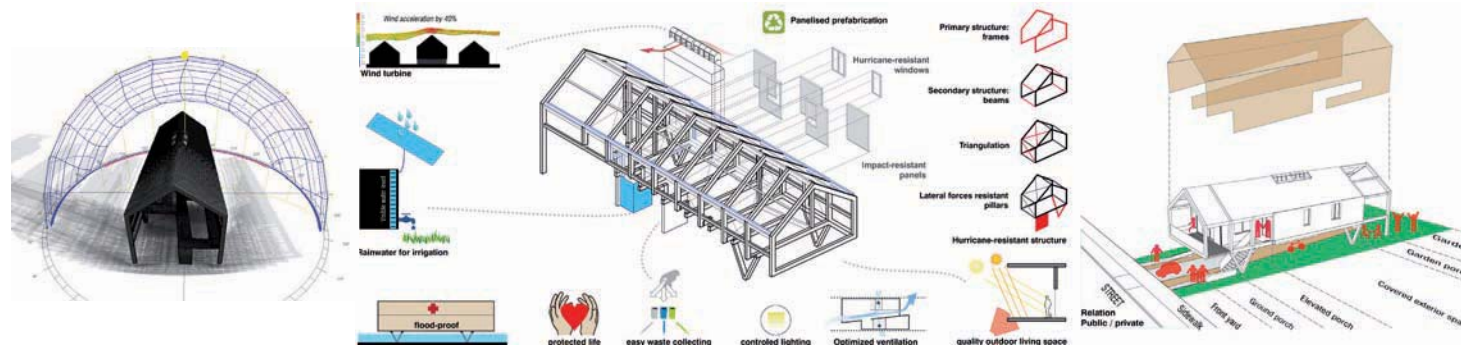
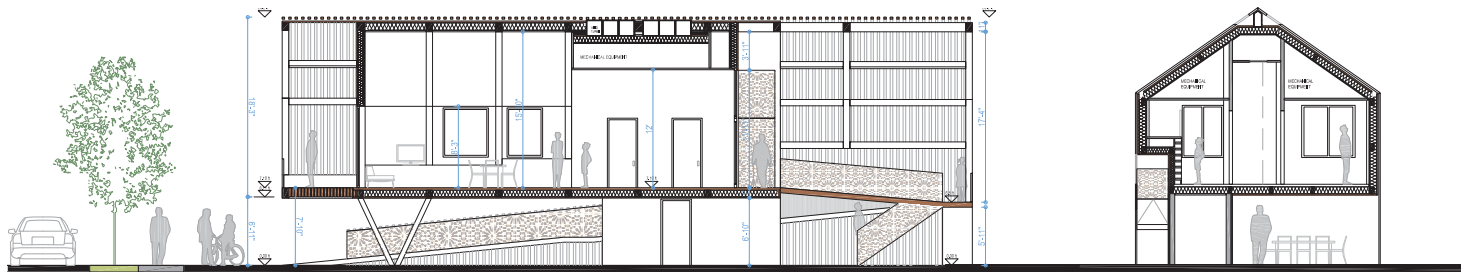
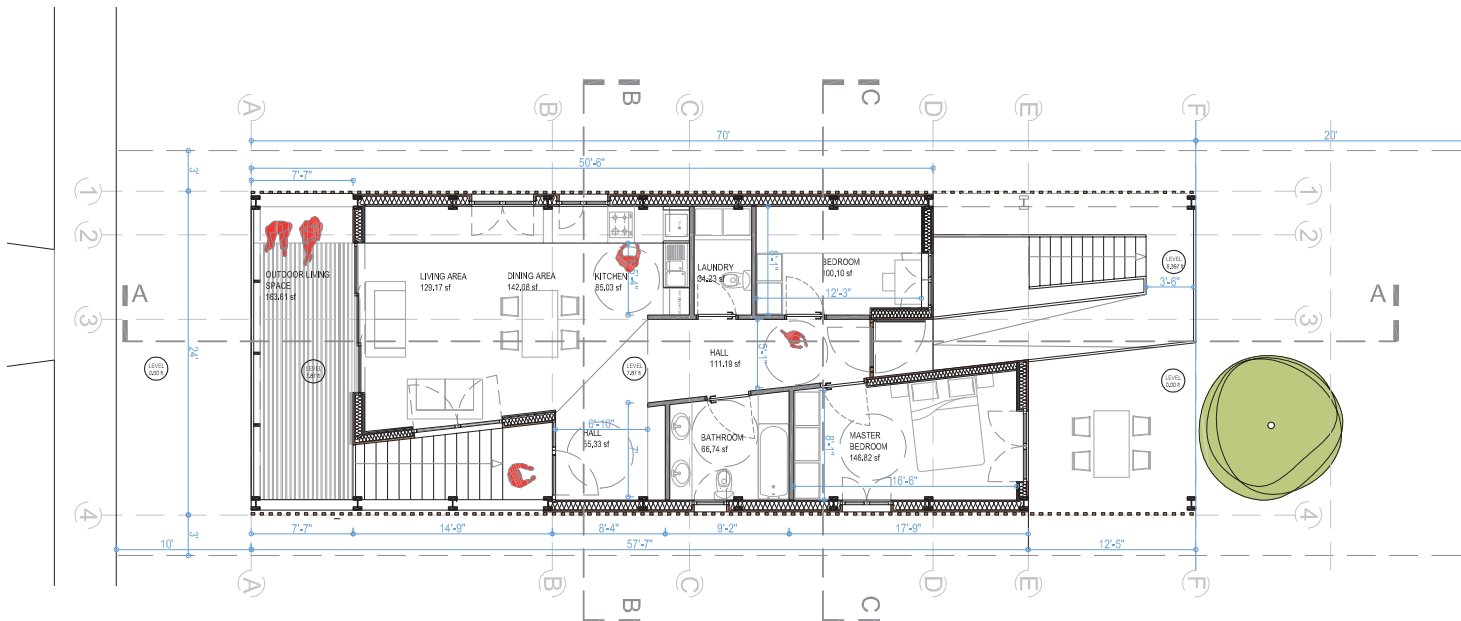


Upper Level

Lower Level







# Slice of Life



**Project Nat. Talent Competition - 2010**  
**Housing New Orleans (US)**  
**Surf. 80 m<sup>2</sup>**  
**Wood**

**Project team:**  
 Louis Leclert  
 Benoît Nihoul

**Finalist**

The Hurricane Katrina devastated a large part of the Broadmoor neighborhood, in New Orleans. To rehouse the community, especially the elderly, the Salvation Army plans elevated, hurricane-resistant, ADA-compliant, LEED platinum, dwellings for less than 100 000\$.

The design takes advantage of constrains. The wind produces energy for inhabitants, the ADA-ramp slices the volume in twice, bringing air, light and physical connections. The shape is a contemporary interpretation of the traditional shotgun house typology, offering a wide range of spaces: porch, outdoor living space, protected garden.



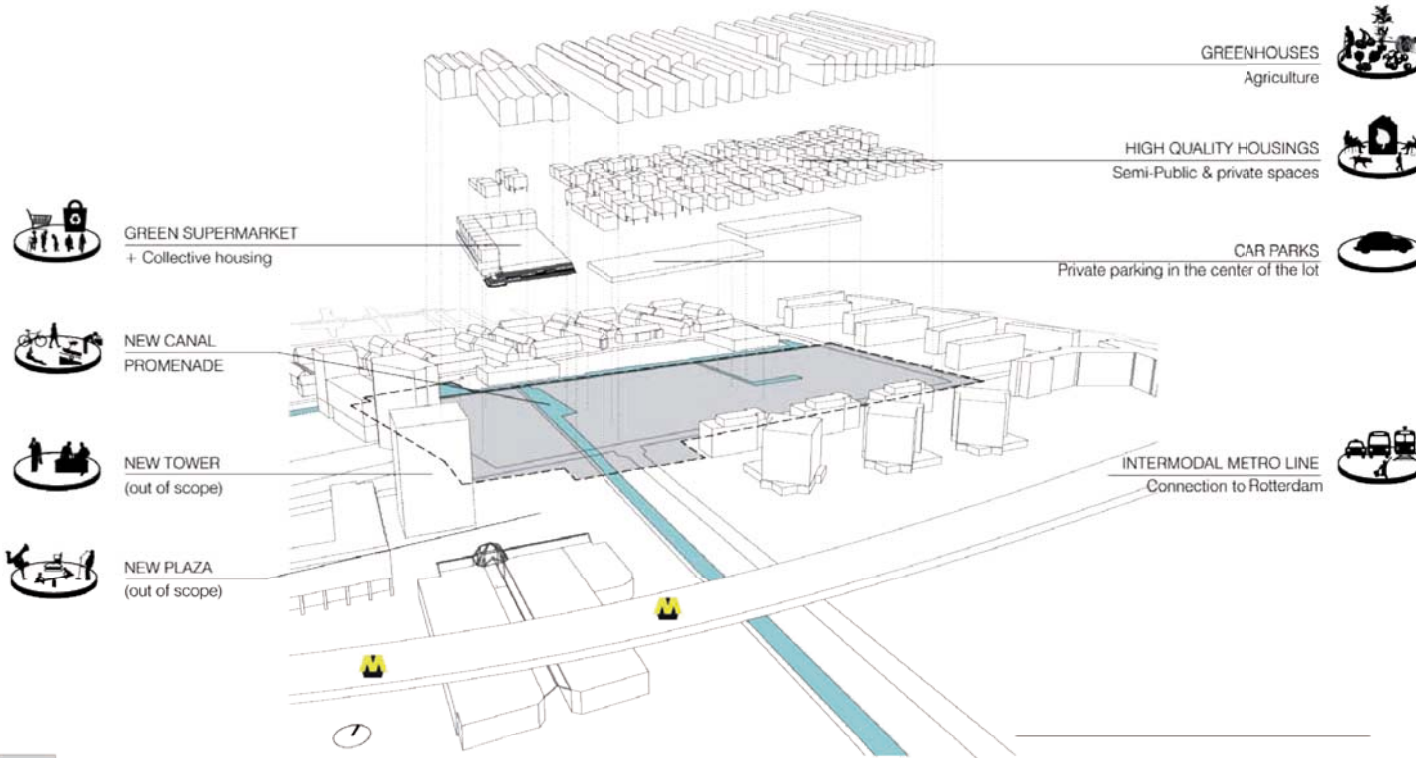


View inside a semi-private alley, towards a collective space



# Fertile District

europan 11

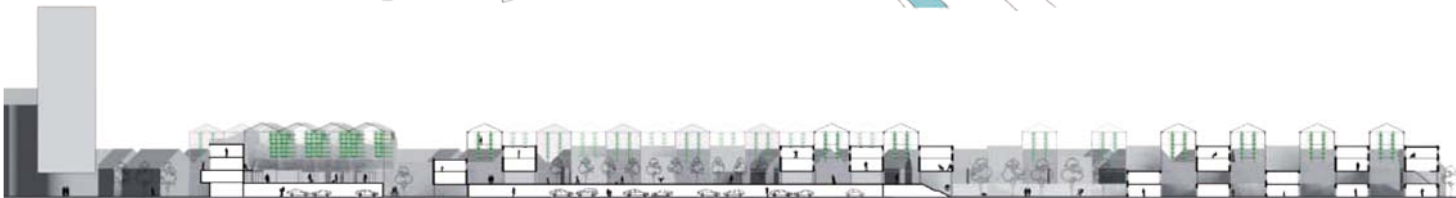


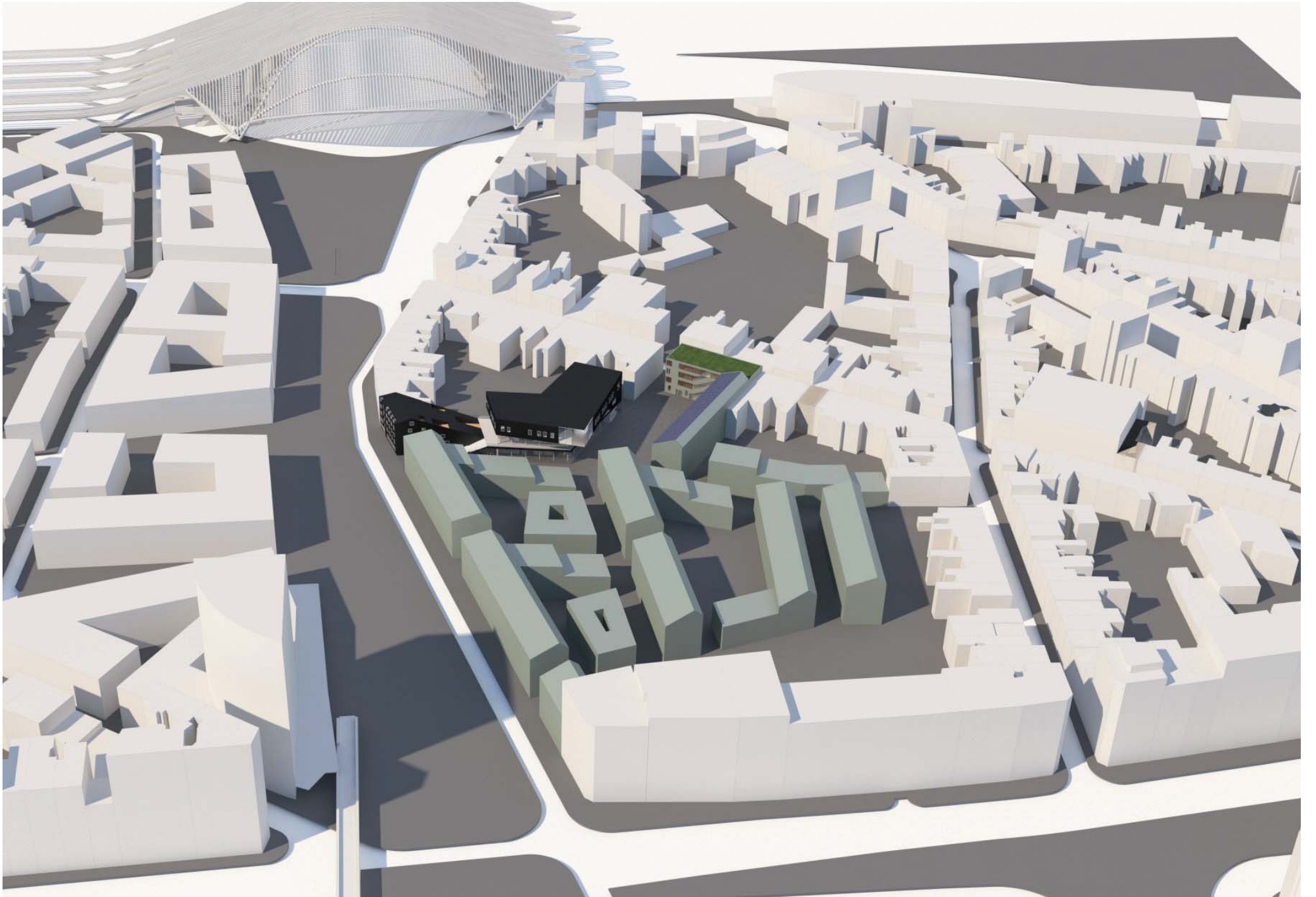
Europan11  
 Competition - 2011  
 Urban design  
 Rotterdam (NL)  
 Surf. 30000 m<sup>2</sup>  
 Concrete

Project team:  
 J-C Puechblanc  
 E. Quertinmont  
 Louis Leclert

Directly connected to Rotterdam Center, and anchored in a countryside, this lot to remodel raises the problematic of living on the edge of a city.

In a developed country facing urban sprawl and negative food balance, this site offers the opportunity to develop urban farming. Hydroponic fruit and vegetables production is suspended into greenhouses covering alleys and gardens between rows of high value dwellings. Farming offers greenscape, activity and protection to housings, while inhabitants are naturally sensibilized to the production process, seasons, and indirectly claim a reduction in the pesticides use. An old supermarket is displaced to offer the city a new public square, connected to cultural and commercial facilities.







The design center



View towards housings

## Urban design in **europan 10** Liège Guillemins

**Project Europan10**  
**Competition - 2009**  
**Urban design**  
**Liège (Be)**  
**Surf. 50000 m<sup>2</sup>**  
**Concrete**

**Project team:**  
J-C Puechblanc  
E. Quertinmont  
Salih Topal  
Louis Leclert



Facade on the rambla



Section

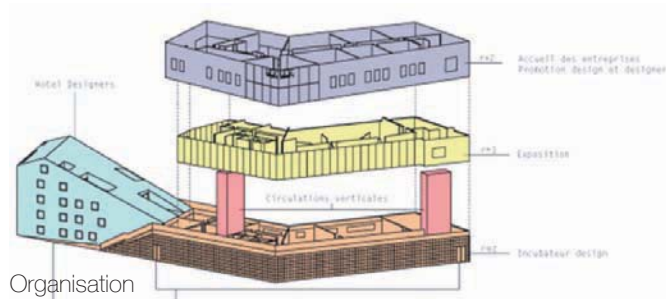
With the construction of the new Guillemins railstation, by Calatrava, the disused neighborhood had to be redesigned. The program integrates collective housing and a Design Center.

The project open up the islet and set up the Design Center in the heart of the site, creating an attractive and calm square, giving a new identity to the site. Ecological collective housing is organised in around pedestrian paths and parks.

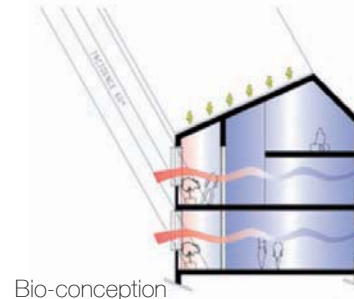


Urban section

- > Urban conception
- > 3D modelling
- > Sections



Organisation



Bio-conception





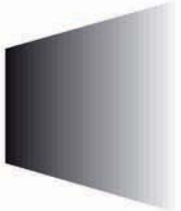
Composition

Intimacy



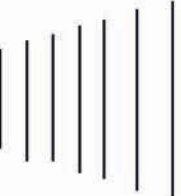
Public space

Darkness



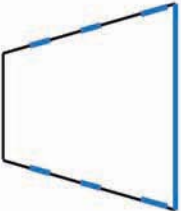
Light

Small scale



Large spaces

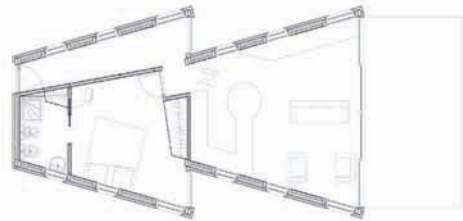
Small windows



Large views



The train house



Spacial concepts

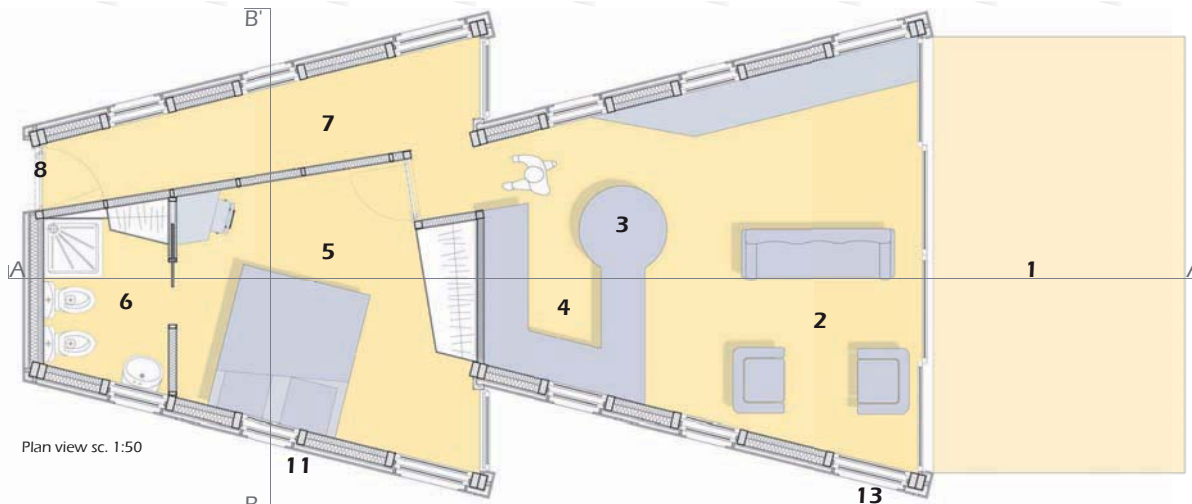




# The train House



Project InstantHouse Project team:  
 Competition - 2009  
 Housing Louis Leclert  
 Milano (It)  
 Surf. 2\*20 m<sup>2</sup>  
 Wood



### The train house in details

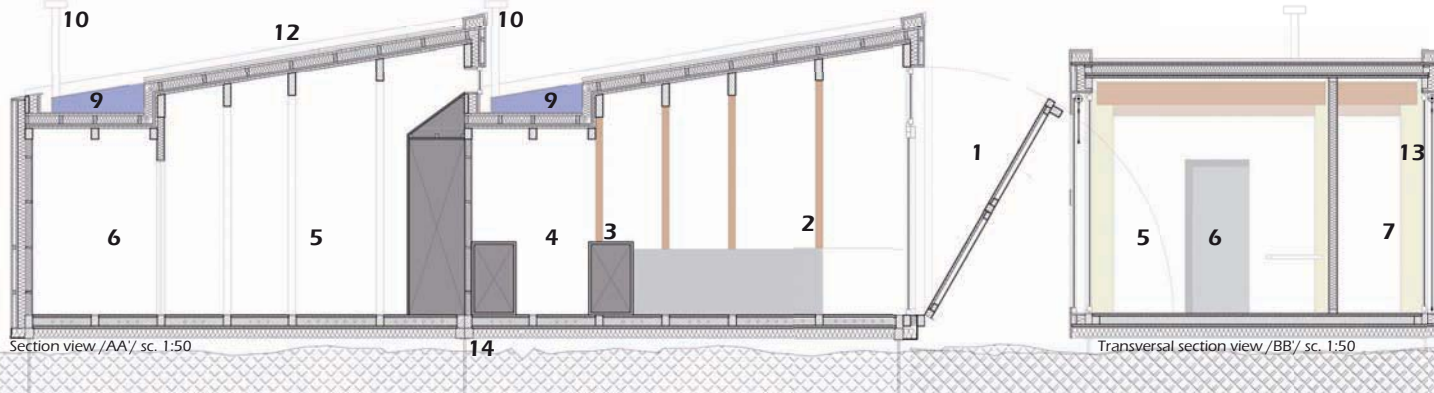
- 1// Terrasse - Facade shutter
- 2// Living room
- 3// Dining table
- 4// Kitchen
- 5// Bedroom
- 6// Bathroom
- 7// Corridor
- 8// Rear entrance
- 9// Rainwater tank
- 10// Chimney
- 11// Wood frame wall
- 12// Wood beams & roof
- 13// Double windows with integrated shutter
- 14// foundation system

Plan view sc. 1:50

Bedroom module

Living module

Outdoor module



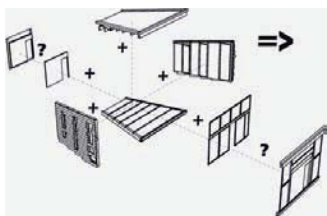
Section view /AA/ sc. 1:50

Transversal section view /BB/ sc. 1:50

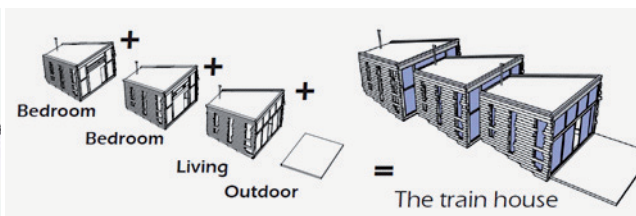
The organisation of the 2015 Universal Exhibition in Milano has to be perfect. To accommodate young guests, temporary structures have to be designed.

The project is based on modularity. The program is divided in blocks which can be connected. This system allows prefabrication and diversity, achieving a high level of spacial quality.

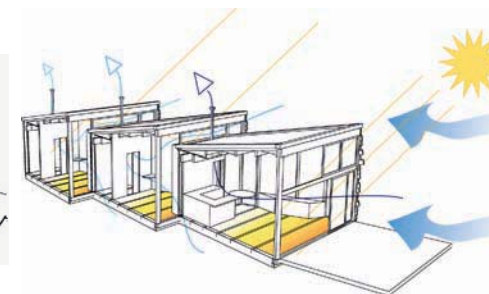
- > Functional design
- > Structural design
- > Environmental design
- > 3D Model & renderings
- > Physical Model sc. 1:20
- > Graphic & text documents



Modularity



at each scale



Natural ventilation & light

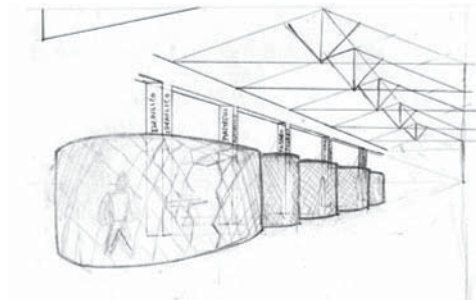




View from the entry.



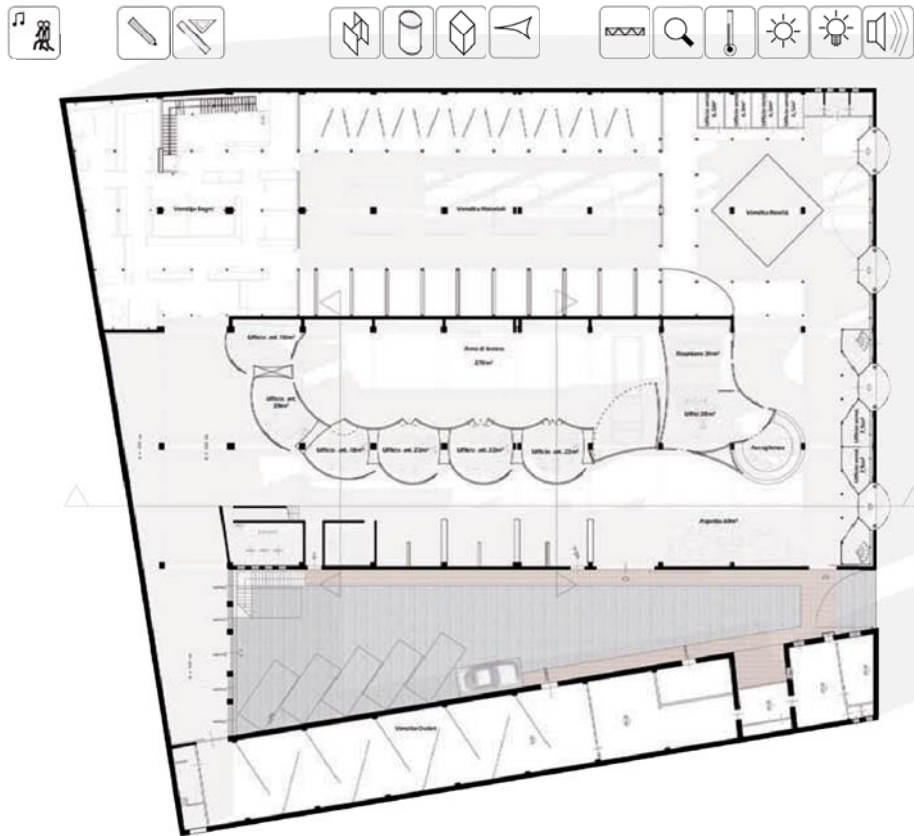
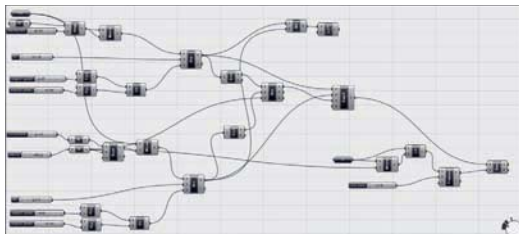
Initial state



Projectual sketch  
Projectual rendering



Grasshopper modelling

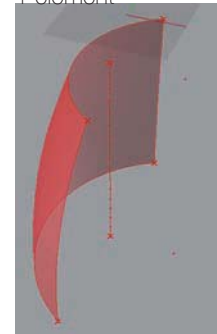


Plan

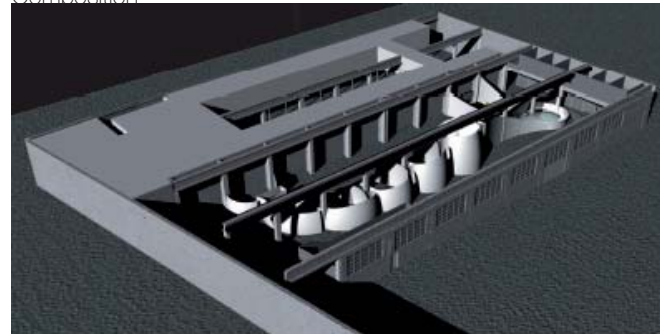
Section



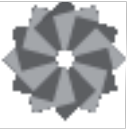
1 element



Composition



## Advanced architecture in patrimonial building



Final Study  
Master2 - 2009  
Workplaces  
Torino, It.  
Surf. 4000 m<sup>2</sup>  
Plastic

Team:  
Louis Leclert  
Relator:  
Clara Bertolini  
  
Best score

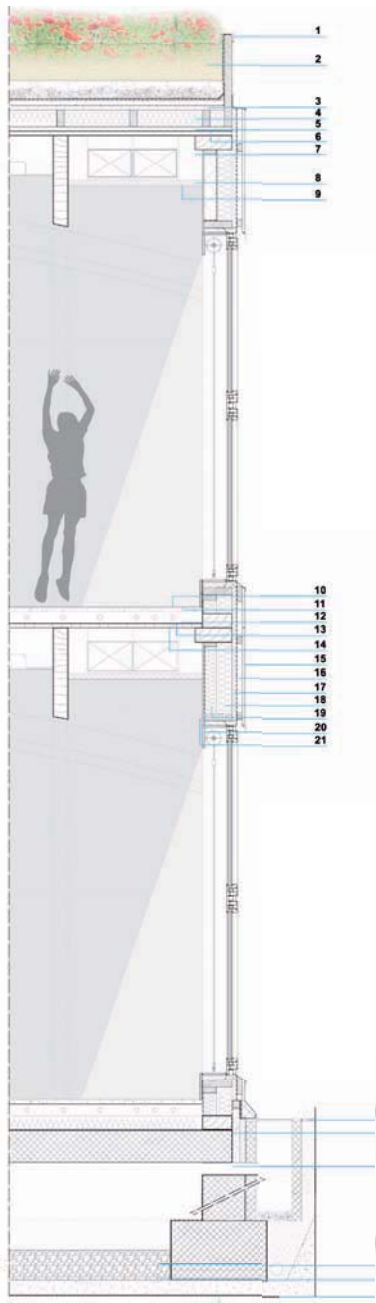
The project of workplaces for 6 craftsmen is innovative as well as respectful of the patrimonial roof structure, the last visible design of G. Giordano, a great figure of wooden structures.

Enhancement by contrast:

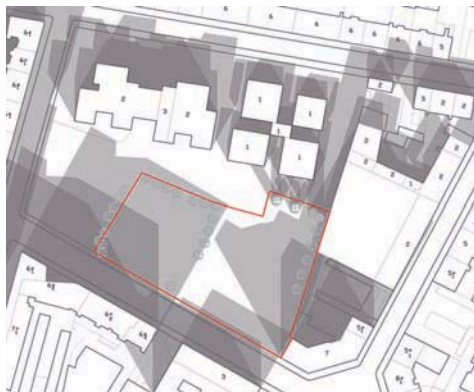
- > Parametric Design (Grasshopper)
- > Organic Architecture
- > Bright and translucent Polycarbonate



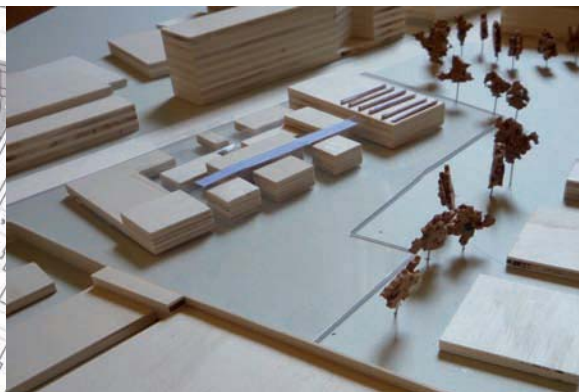




Detailed section (sc. 1:20)

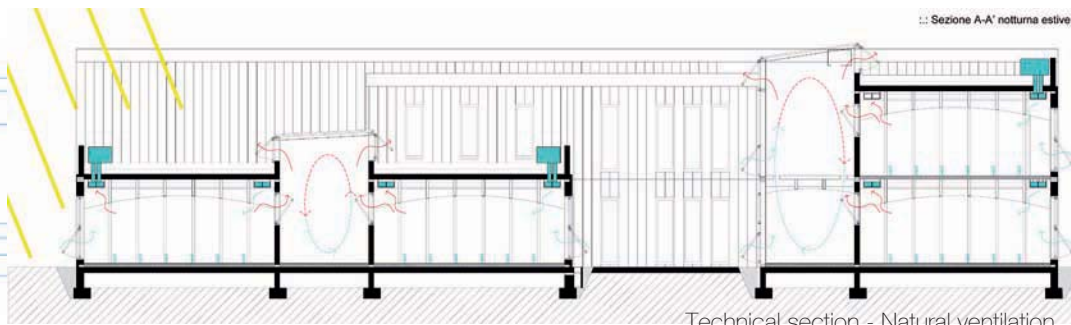
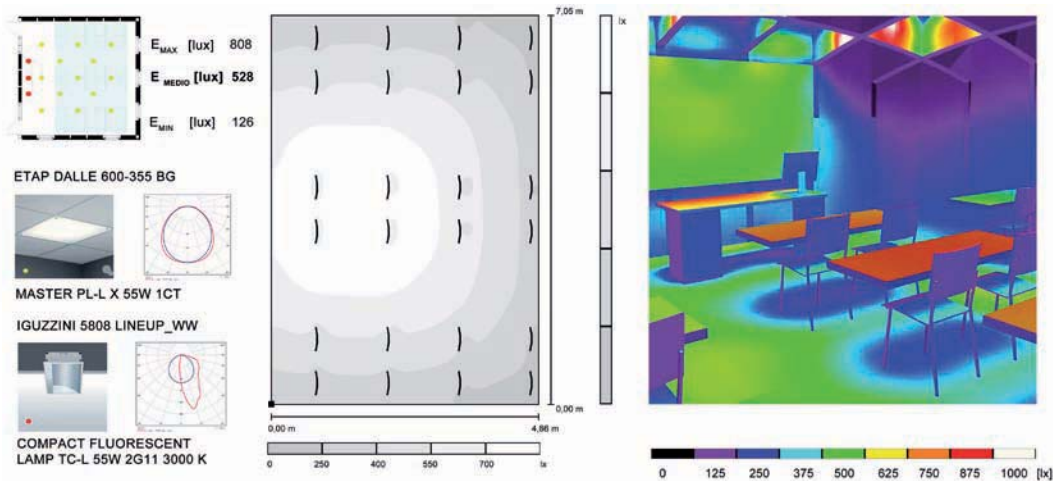


Shadow course



sc. 1:500 model

Artificial lighting studies



Technical section - Natural ventilation

# Eco-designed school Torino



Techno. Project  
Master2 - 2009  
Education  
Surf. 4500 m<sup>2</sup>  
Wood

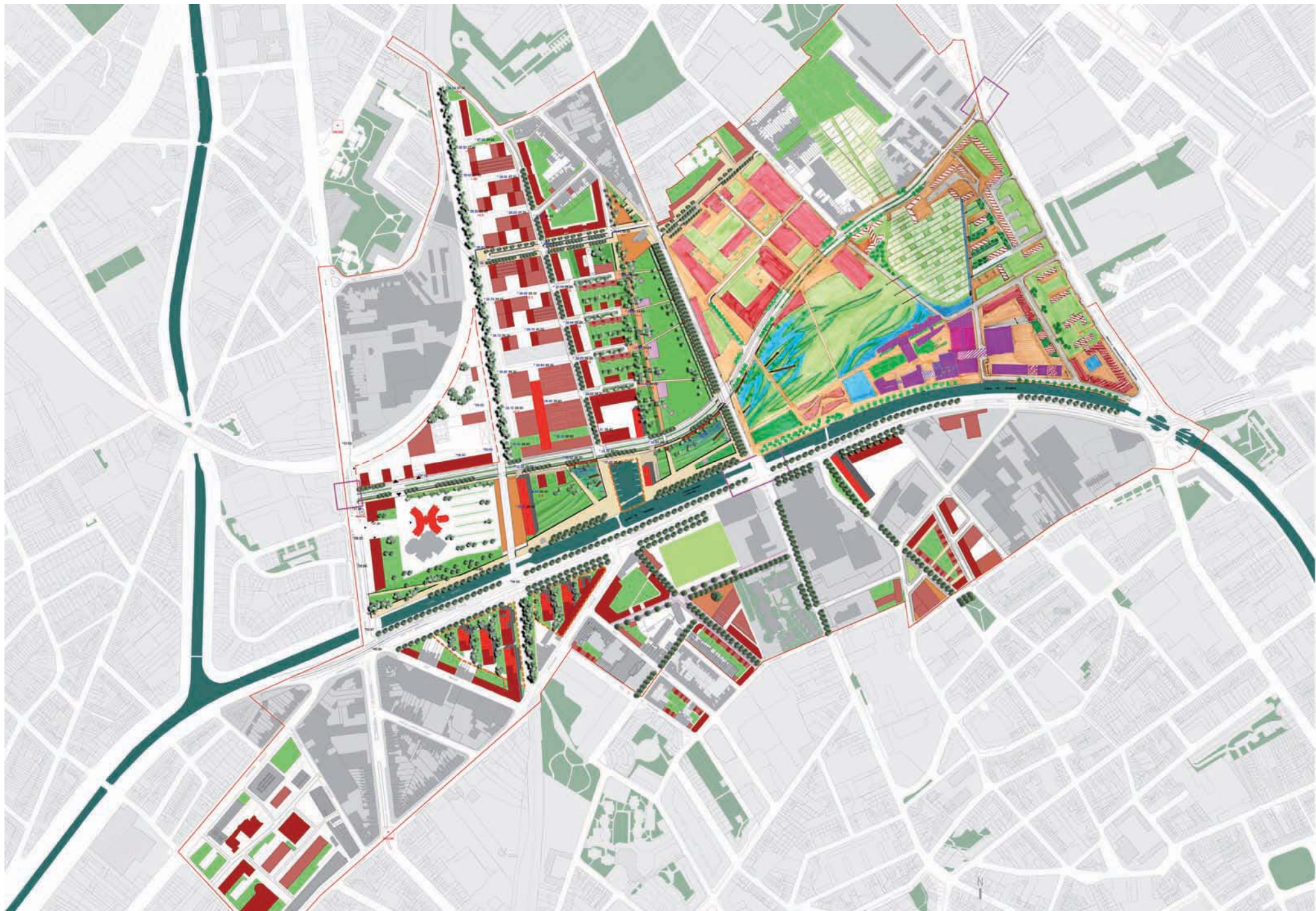
Project team:  
Lorenza Bianco  
Anna Chiambretto  
Louis Leclert

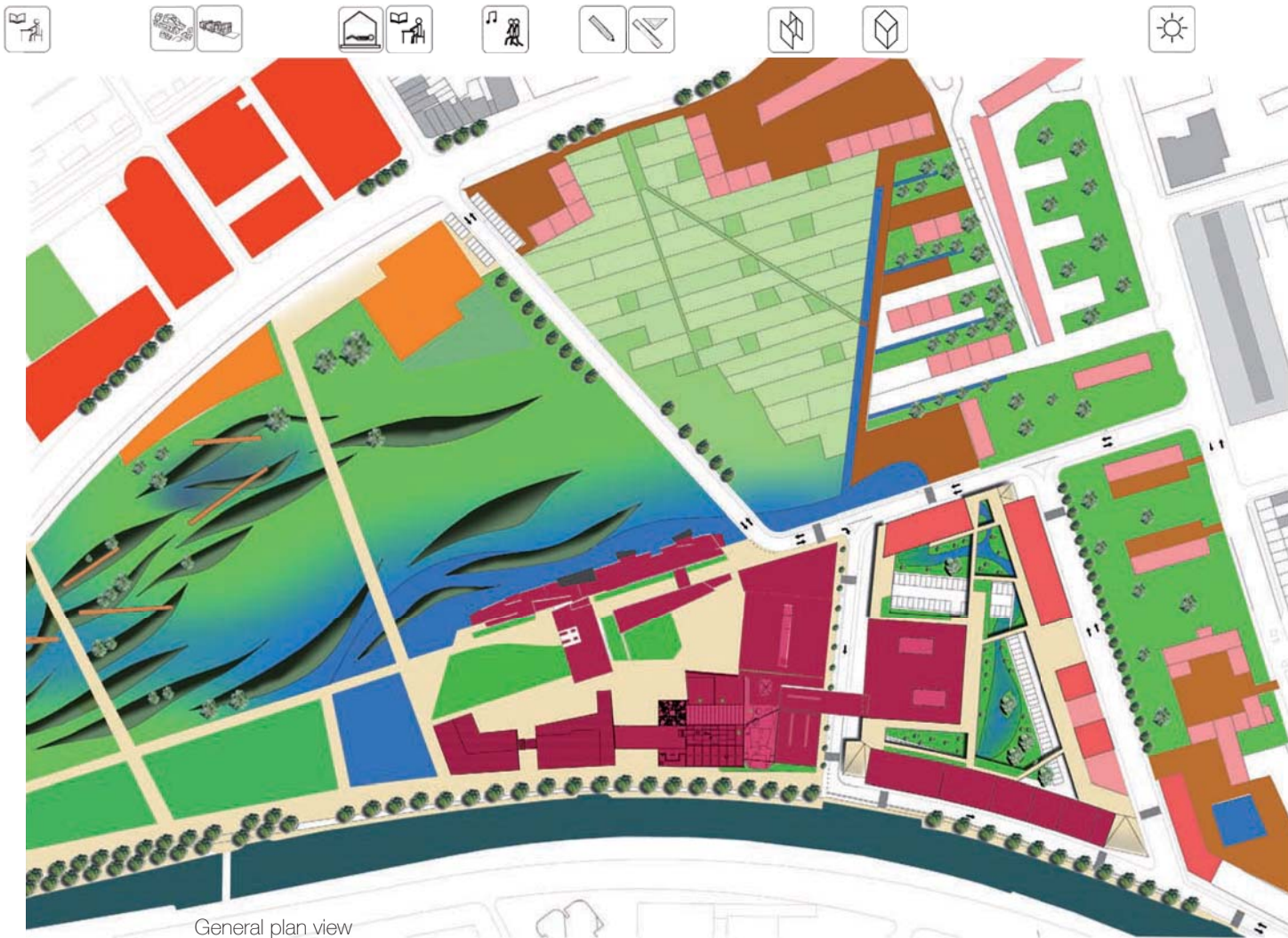
Best score

This school project is well-designed and well-equipped with several technologies aiming to lower its ecological footprint: solar & wind-induced masterplan, photovoltaic and thermic solar energy, rainwater recycling, dry construction, natural ventilation...

- > Study of shadows
- > Modular prefab wood structure design
- > Details (sc. 1/20 & 1/5)
- > Lights study (DialLUX)
- > Ventilation system design
- > Images (3D modeling, rendering, finishing)







General plan view

## Terken: an urban peninsula



**Final Project**  
**Master2 - 2009**  
**Offices**  
**Surf. 40000 m<sup>2</sup>**  
**Urbanism**

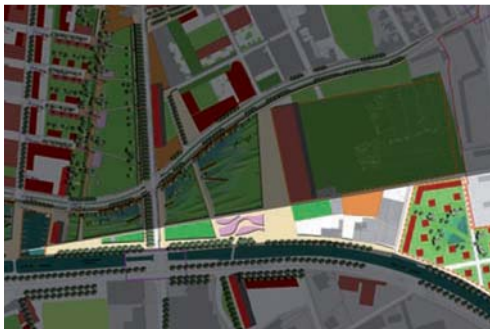
**Team:**  
 Jérôme Bernard  
 Raph. Cuich-Pilette  
 Louis Leclert

**Best score**

In Lille metropolitan area, *Reichen & Robert* converts an industrial waste land into a green mixed-use district, centered on 2 large parks bordering a canal. Recently abandoned, the Terken brewery is not included into this project. Its conversion into a 40000m<sup>2</sup> headquarter, organised in 6 poles, a reception and an auditorium has to integrate it into the urban project.

- > Extension of the parc by a progressive structuration to integrate existing collective housing.
- > Reinforcement of the triangular shape
- > Densification of the site by bridge-buildings linking poles of the headquarter
- > Access by the base of the triangle, with a large landscaped parking lot.

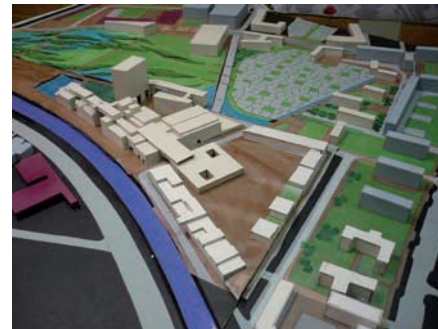
**Conversion into an urban peninsula, offering to the headquarters exceptional facades on the park and the canal.**



Anchorage in the existing project



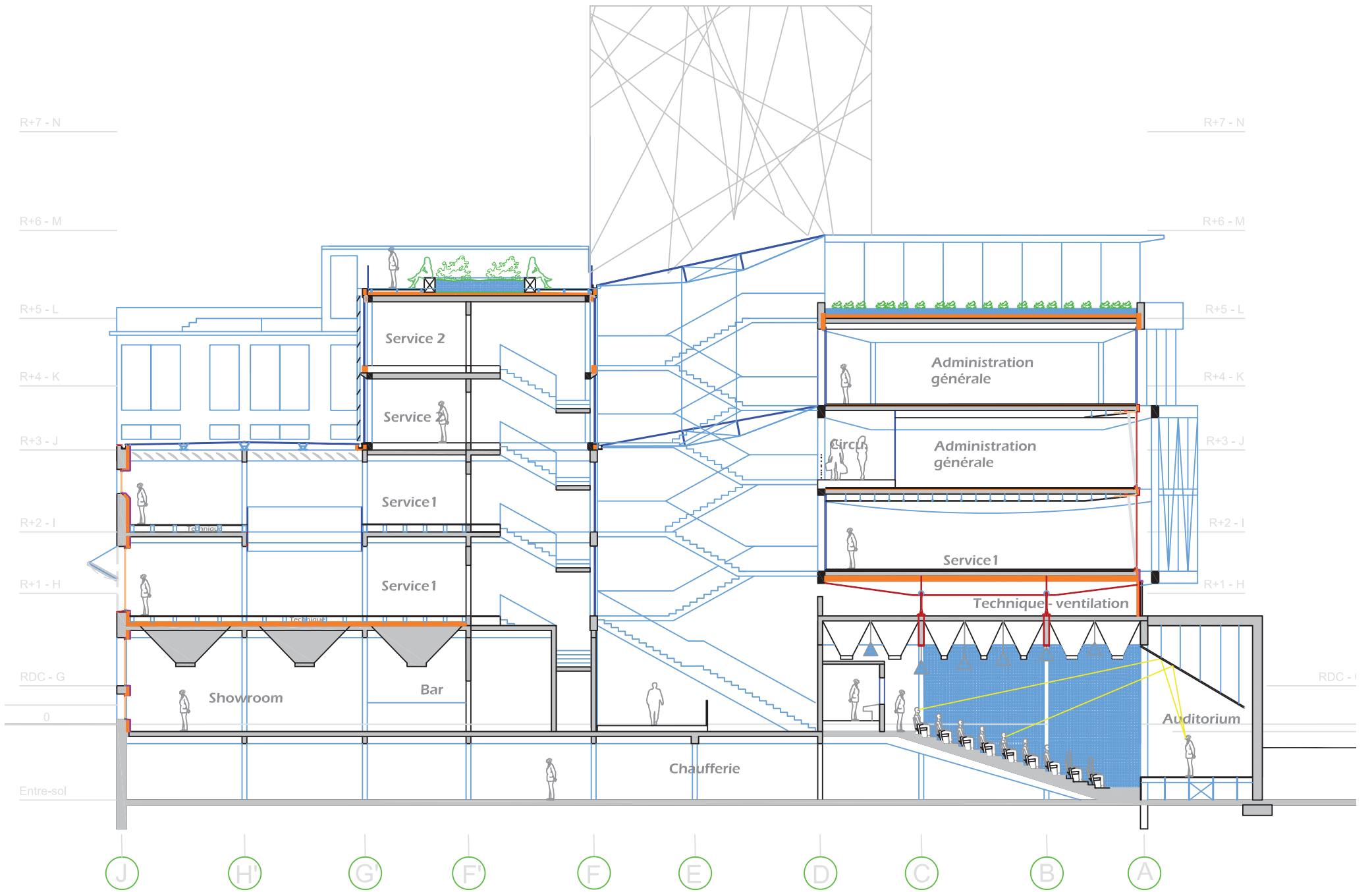
1:500 model: the bow



1:500 model: the city side



Urban 3D model

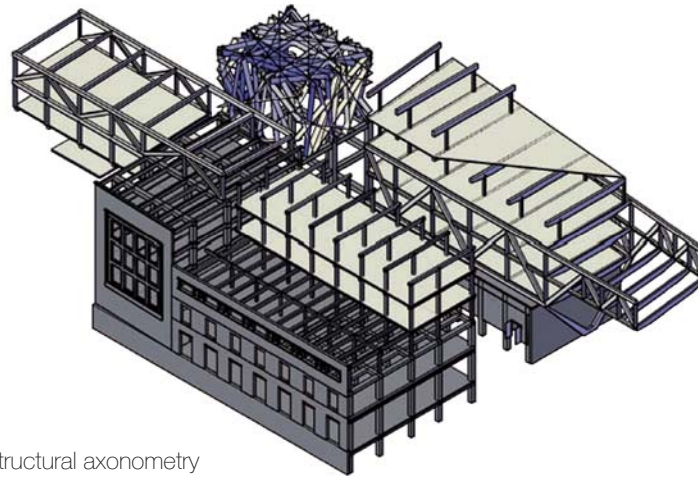


coupe BB





Facades toward the court (up), and the canal (down)



Structural axonometry

Third level: the main circulation



# The malt-house: urban lighthouse



Final Project  
Master2 - 2009  
Offices  
Surf. 4000 m<sup>2</sup>  
Steel

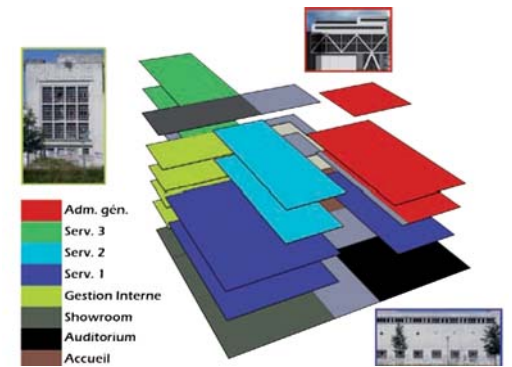
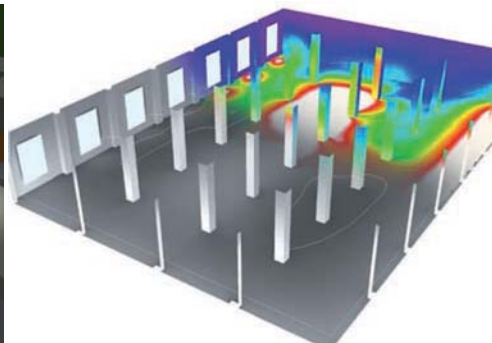
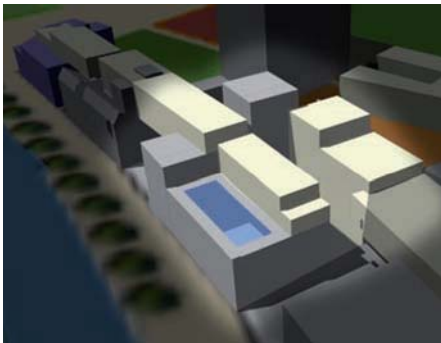
Team:  
Louis Leclert

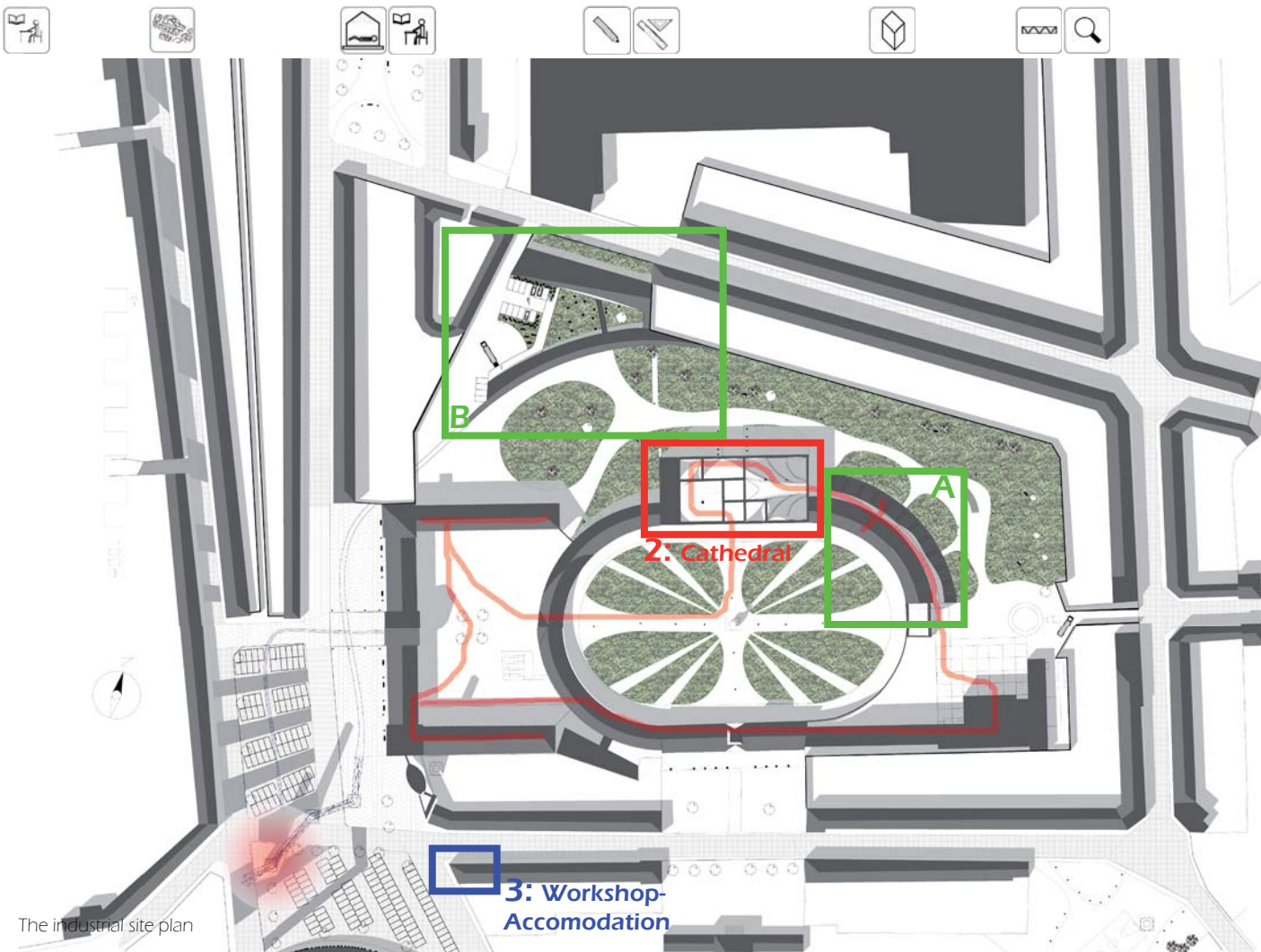
Best score

Former corn-stock building, the malt-house becomes a major element of the urban project, by its position at the center of the circulations, its facades on the canal and the central courtyard. As a true 3D-palimpsest, its cubic shape comes from 4 structural elements.

- > Distinction of structural blocks => nat. light
- > Substitution of silo by a new volume
- > Valorisation of pyramid ceiling (G level):
  - o Acoustic reflectors in the auditorium
  - o Light scenography in the showroom

- > Nat. Lighting study
- > Acoustic study (auditorium)
- > details (sc. 1:10)





The industrial site plan

## Scolar workshop & accomodation

MAC's Project Master1 - 2008  
 MAC's, Mons, Be Workshop & acc.  
 Surf. 2000 m<sup>2</sup>  
 Concrete

Team:  
 Louis Leclert

In order to offer an art initiative workshop for groups of pupils, the Contemporary Art Museum (MAC's) projects on its site, which is a former mining complex, 3 workplaces, an exhibition room and a dormitory/restaurant center.

**A/ Art workplaces: 750m<sup>2</sup>**  
 > Insertion in the shape of the curved building in the North West  
 > New green facade on the park  
 > The created fault extends the visit course

**B/ Dormitories & Restaurant: 1250m<sup>2</sup>**  
 > close to the wound of the site  
 > a V-plan offering a courtyard  
 > Curved metal facade: former railpaths



**B**  
 View to the restaurant from the old roof

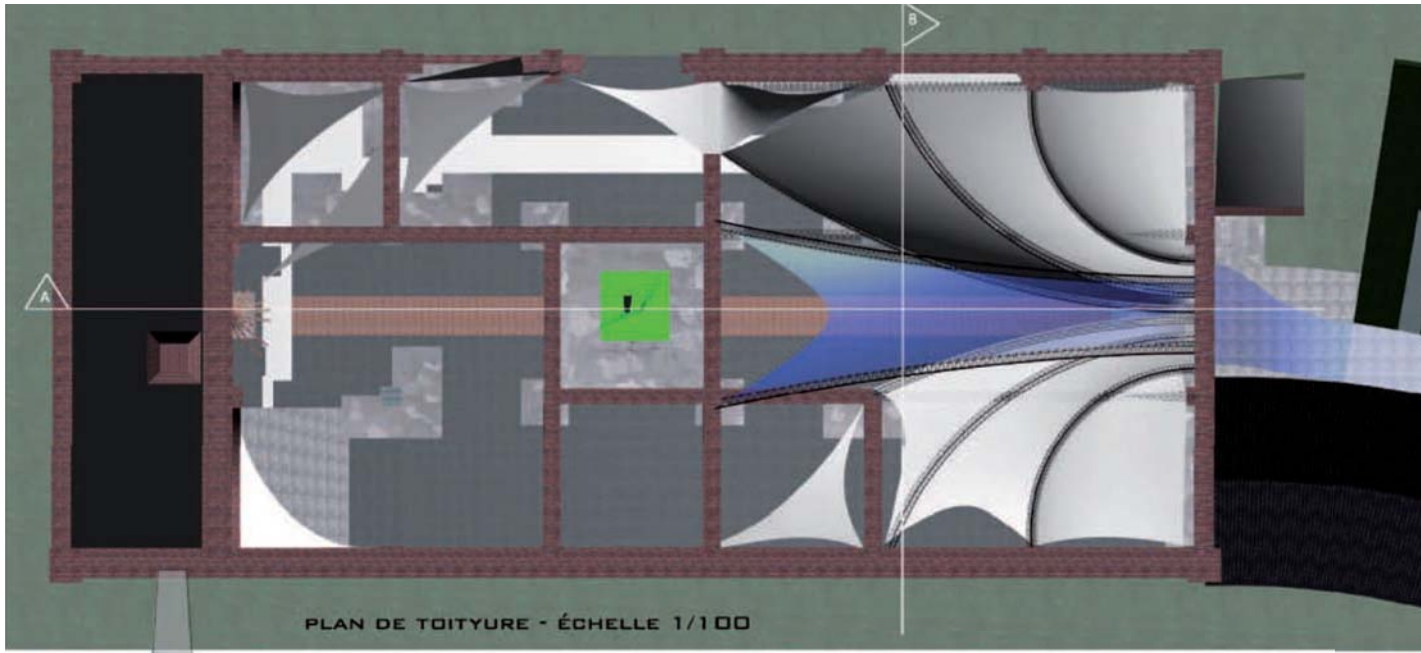


**A**  
 The gap created by the new Workshop building

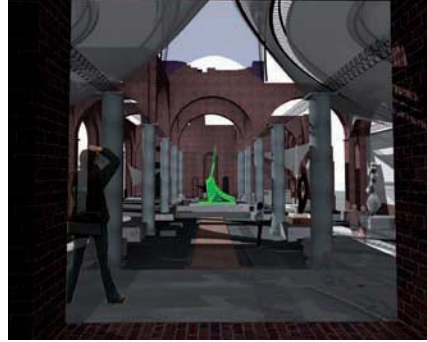
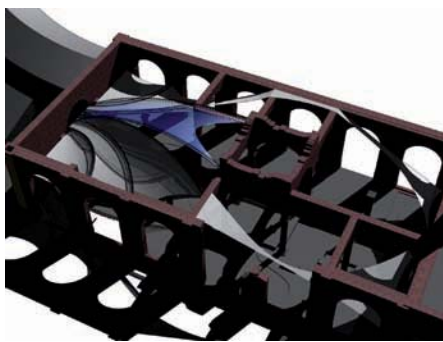
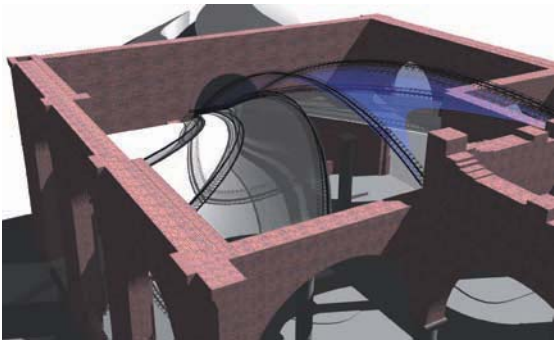


**A**  
 The workshop building from the museum.





The fabric roof accompanies the movement of visitors coming from the fault (in the right).



# The Cathedral: from factory to art



MAC's Project  
Master1 - 2008  
MAC's, Mons, Be  
Museum - Concert  
Surf. 1500 m<sup>2</sup>  
Fabric + Steel

Team:  
Louis Leclert

The new roof on this former machinery production plant aims to protect the building as a trace of history, and to convert it into an exhibition and concert place.  
> take down  
> model (sc. 1:50)

- > Continuity of the visit course
- > Entrance in high ground, stage
- > the metal structure reminds one of the industrial past
- > the light fabric roof contrasts with the heavy masonry



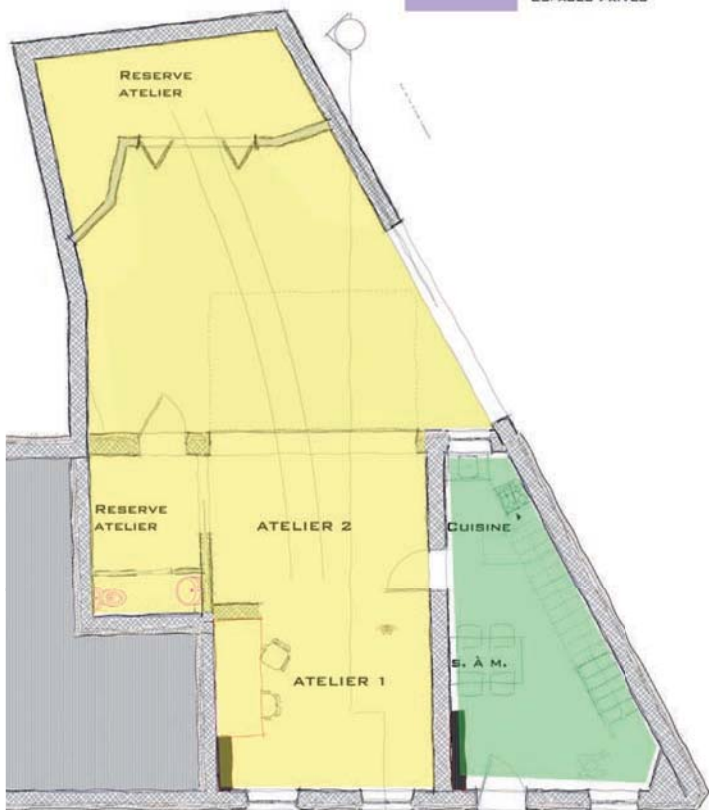


# Workshop & accomodation

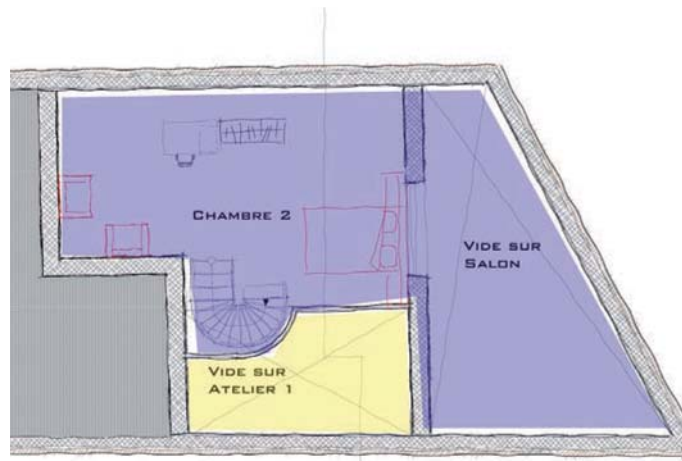
MAC's Project  
Master1 - 2008  
MAC's, Mons, Be  
Workshop & acc.  
Surf. 300 m<sup>2</sup>

Team:  
Louis Leclert

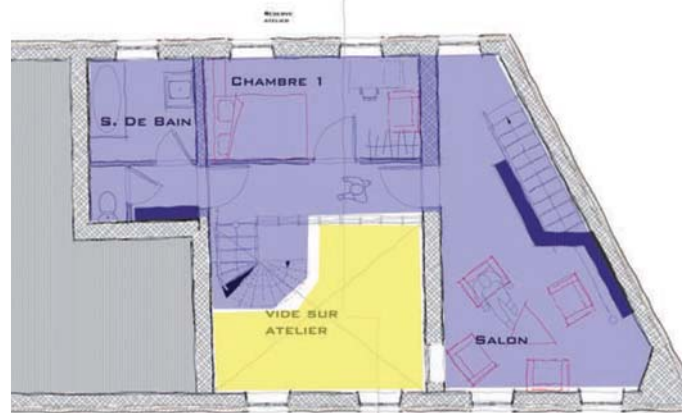
 ESPACES DE TRAVAIL  
 ESPACES COMMUNS, JOUR  
 ESPACES PRIVÉS



Ground level: The workshop in contact with the courtyard, the kitchen.



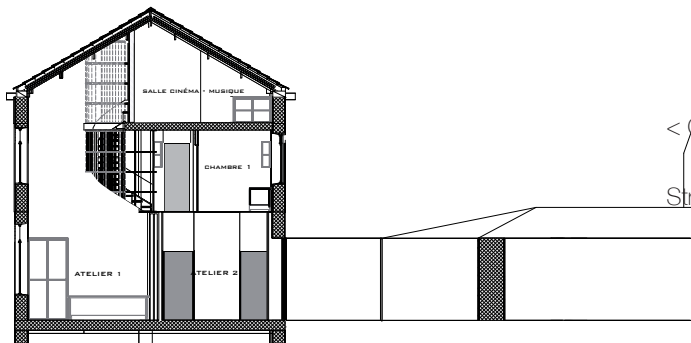
Second floor: Second room.



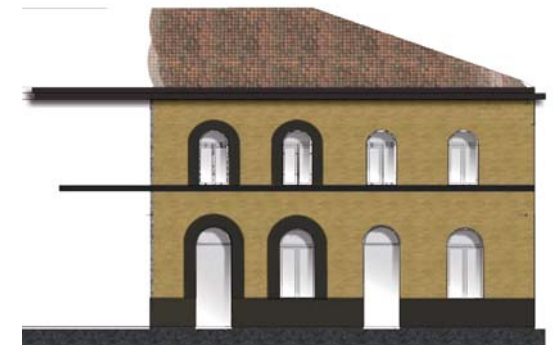
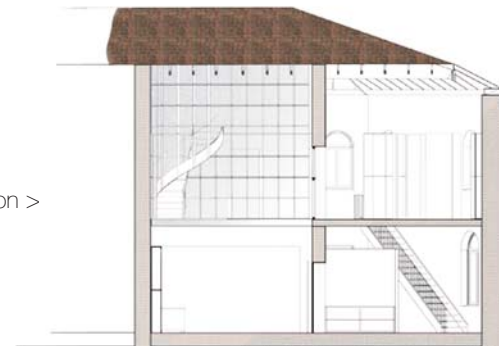
First floor: Living room & first room.

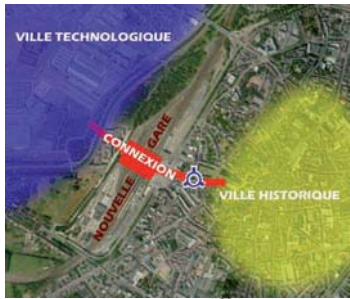
This corner house of the XIXth century industrial housing complex was abandoned. A conversion into a workplace and accomodation for 2 independant artists is to be designed.

- > Division of the ground level in 2 parts:
  - workplaces (public)
  - kitchen (private)
- > Workplace 1 with high ceiling height (Northern light)
- > Workplace 2 opens onto the courtyard
- > Large communication
- > Rest rooms south-oriented (garden)



< Cross section  
Street-aligned section >

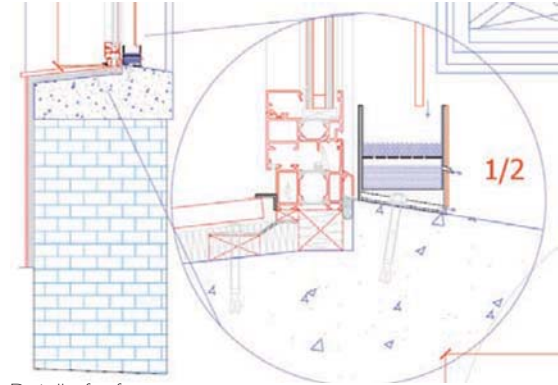




Urban situation



Projected state of the facade, after restoring



Detail of a fence

## Restoration of a former convent



Restoration Project  
Master2 - 2009  
Mons, Fr.  
Library  
Surf. 1500 m<sup>2</sup>  
Stone

Analysis Team:  
6 students  
Design Team:  
Louis Leclert  
**Best score**

This former convent has been damaged by its usage as a furniture store. The facade has been disfigured by the adding of a vehicle door. After a careful analysis of materials and pathologies, the intervention had to present aesthetic and structural solutions regarding the legacy of the facade.

The conversion as a multimedia library will restore the destroyed windows. A new rectangular, actual door will be shaped. A complex of contemporary-shaped corten-steel railings will protect new aluminium windows, recalling old brown windows and expressing the intervention.

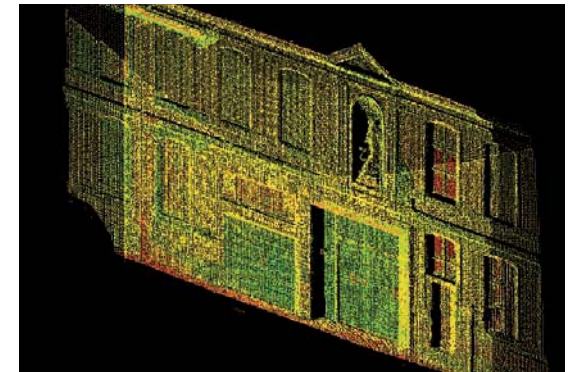
- > Take down with 3D LASER SCAN
- > Ortho-photo
- > analysis of pathologies
- > Proposition of materials' restoration
- > Proposition architectural project
- > Details sc. 1:2



CAD Design

Orthographic photo

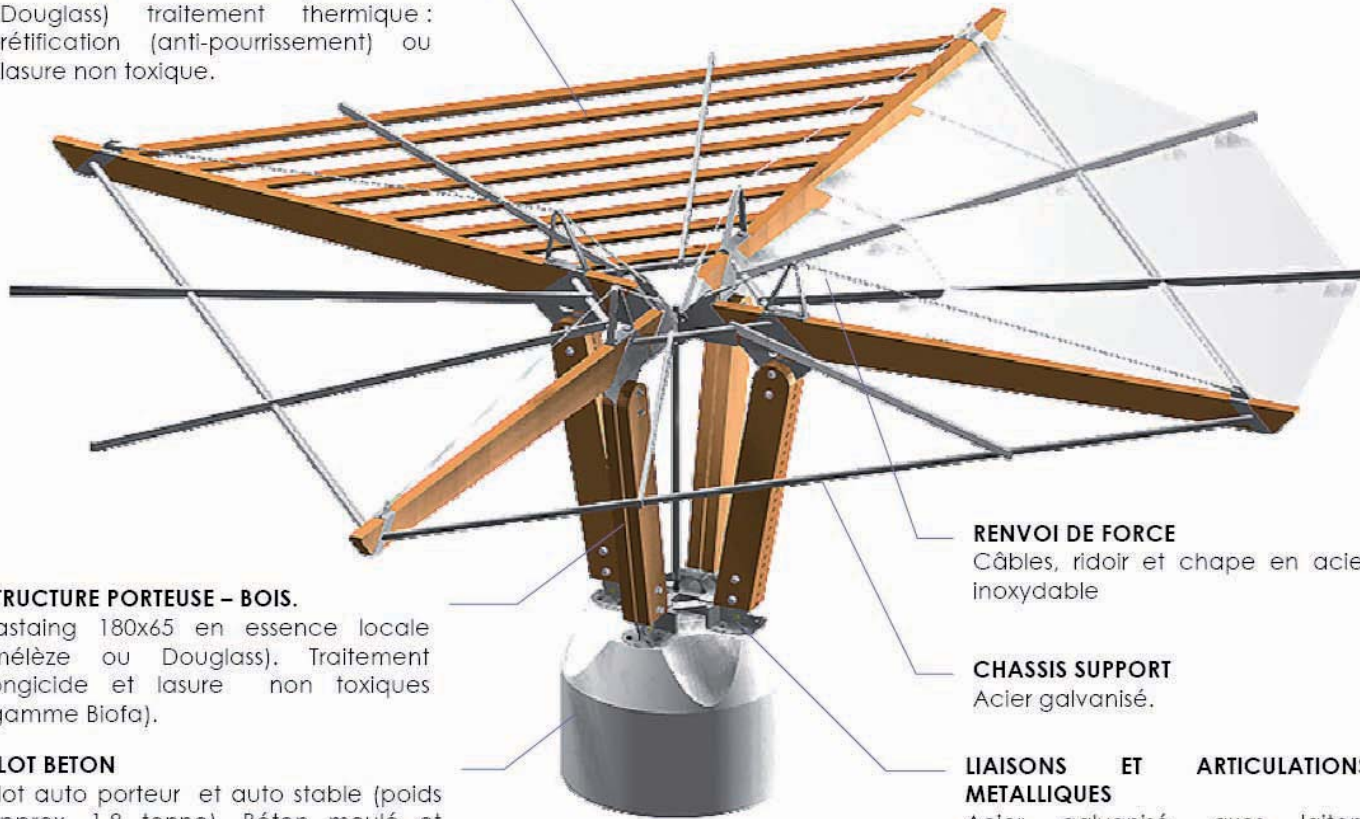
3D laser measures Identification of materials & pathologies





### LATTES PARE SOLEIL

Planches essence locale (mélèze ou Douglass) traitement thermique : réтификаction (anti-pourrissement) ou lasure non toxique.



### STRUCTURE PORTEUSE – BOIS.

Bastaing 180x65 en essence locale (mélèze ou Douglass). Traitement fongicide et lasure non toxiques (gamme Biofa).

### PLOT BETON

Plot auto porteur et auto stable (poids approx. 1,8 tonne). Béton moulé et vibré avec ciment et sable blanc. (possibilité de diviser le plot en 2 ou 4 parties)

### RENOI DE FORCE

Câbles, ridoir et chape en acier inoxydable

### CHASSIS SUPPORT

Acier galvanisé.

### LIAISONS ET ARTICULATIONS METALLIQUES

Acier galvanisé, axes laiton, boulonnerie inoxydable ou zinguée.

## Shading creating structure

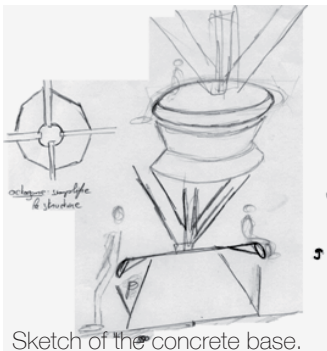


Transversal Project Team:  
Master1 - 2007  
Marseilles, Fr.  
Urban structure  
Surf. 30 m<sup>2</sup>  
Wood + metal

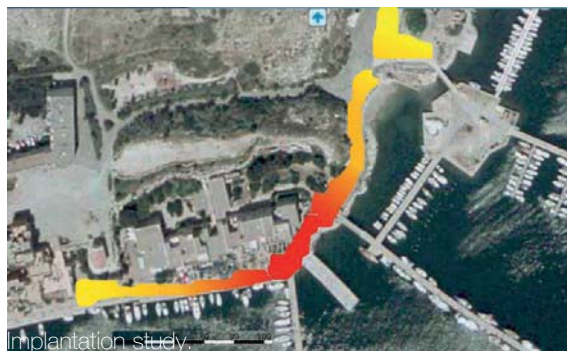
L. Leclert (leader)  
M. Gioan, B. Desseau, F. Magnier, A. Wojdyla, A Lagarde

This project, designed by Yannick Le Guinner and his association, is to be validated.

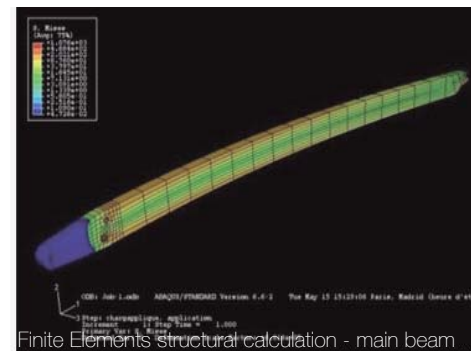
- > Team leader
- > To validate choices of materials
- > To proportion different structural elements
- > Help to design the concrete base
- > Study for the settlement on site



Sketch of the concrete base.

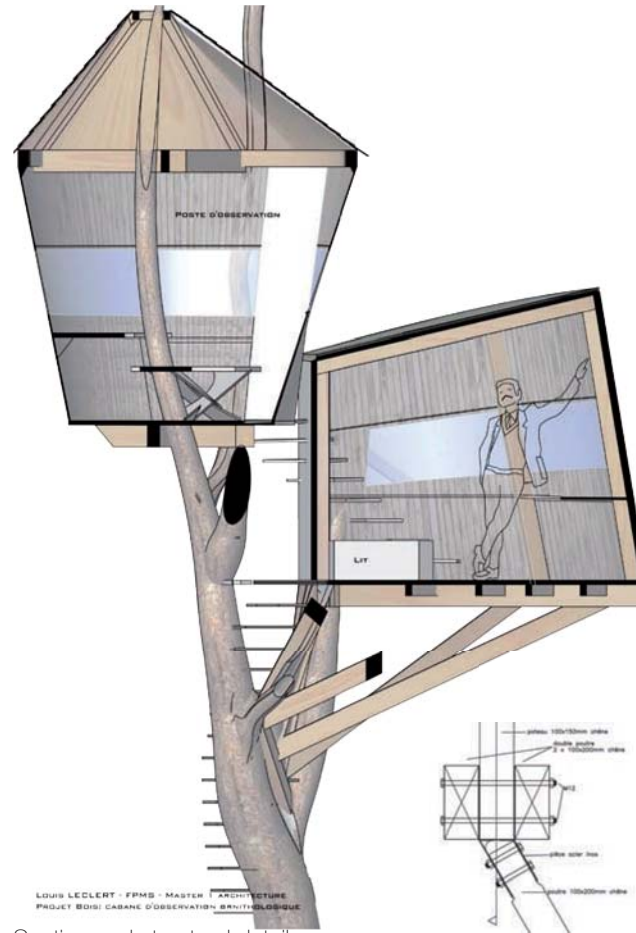
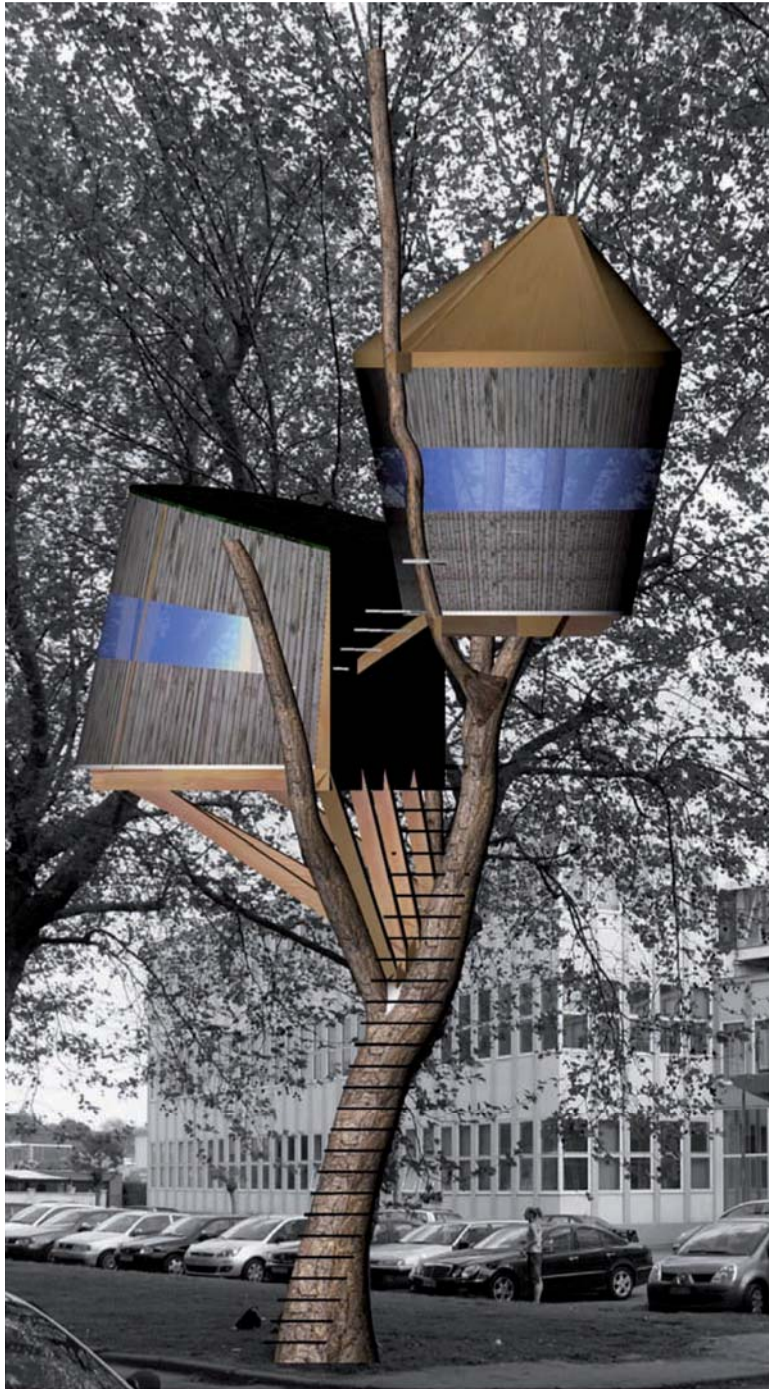


Implantation study.

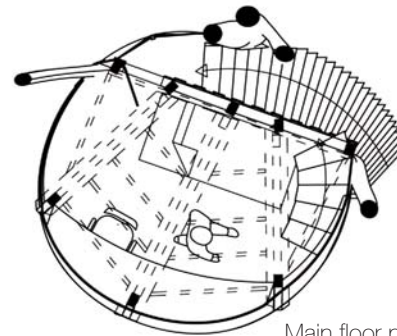


Finite Elements structural calculation - main beam





Section and structural detail.



Main floor plan.

## Ornithological perched shed

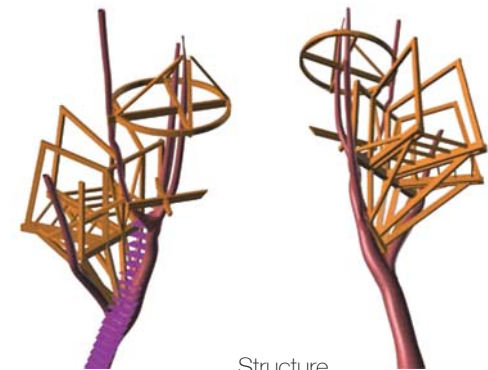


Wood Project  
Master1 - 2008  
Mons, Be.  
Shed  
Surf. 12 m<sup>2</sup>  
Wood

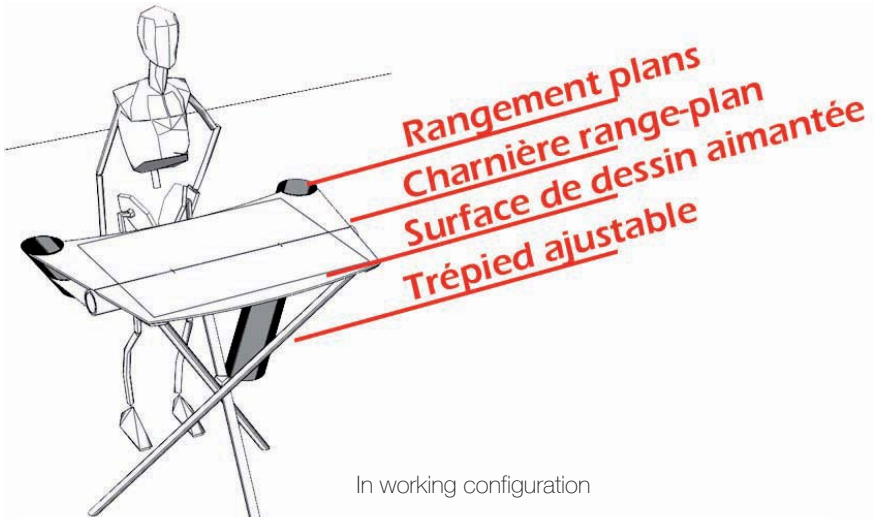
Team:  
Louis Leclert

This small project of an ornithological shed (bed, desk and library) is inserted in an existing tree without damaging it. The cantilevered porticos are linked to 2 beams leaning on branches.

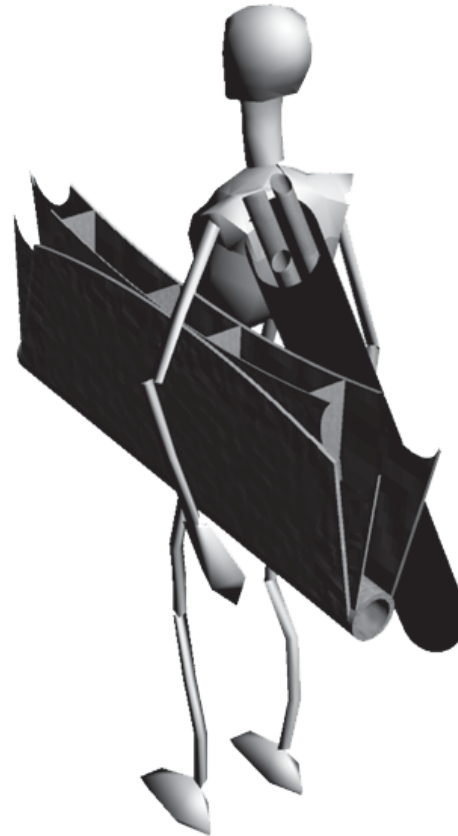
- > Take down of a tree (Ortho-photo)
- > Architectural insertion in the tree
- > Conception and proportion of the structure
- > Details sc. 1:5



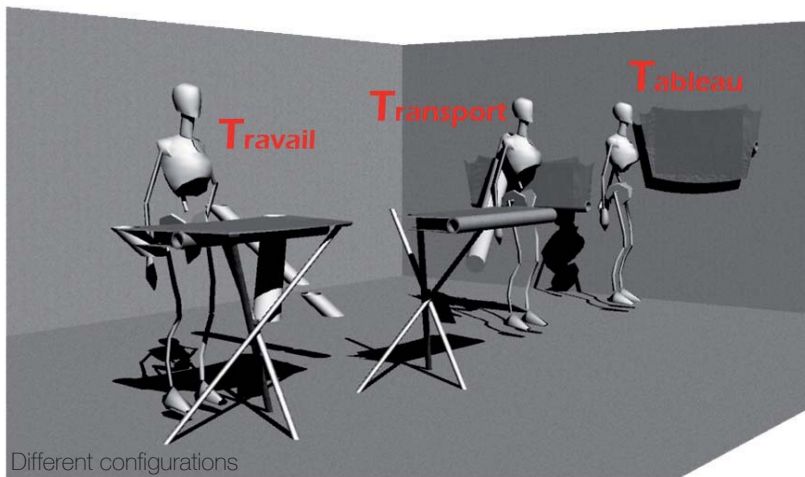
Structure



In working configuration



In transport configuration



Different configurations

# Transportable Architect's table

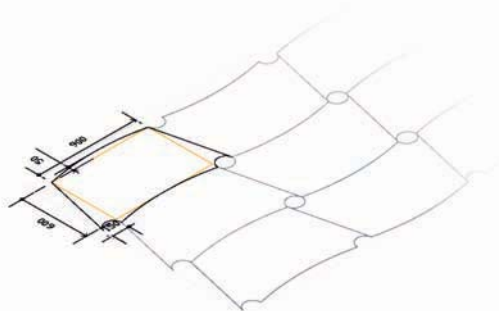


Design Project  
 Master1 - 2008  
 Architect transportable table  
 aluminium

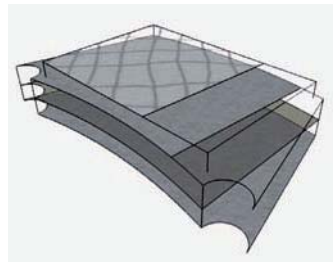
Team:  
 Louis Leclert  
 Jérôme Bernard  
 Yohan Couvreur

The challenge was to design a light transportable table for architects to work on building site.

- > Recycled aluminium structure
- > Foldable table
- > Multifunctional surface
- > Can be used as board
- > Optimised shape to save material



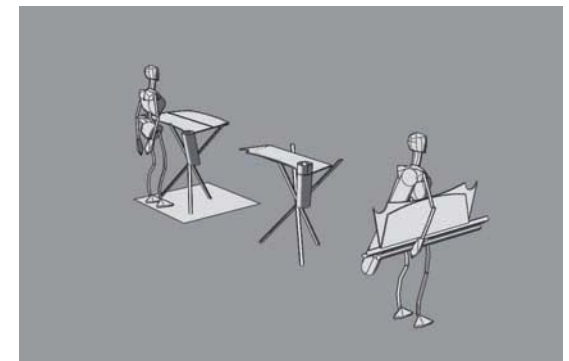
Optimised shape for material economy.



Multi-layered composition



Working configuration







## Bathroom The ribbon



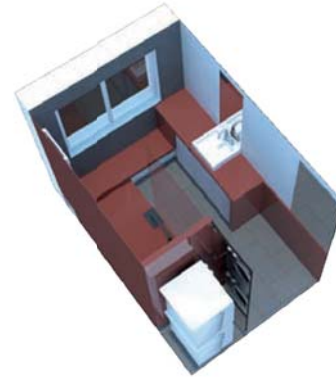
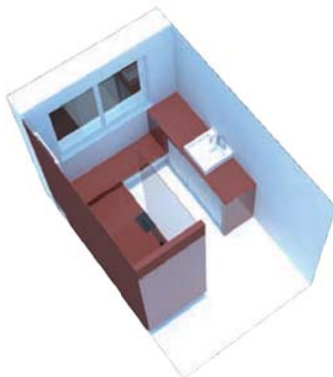
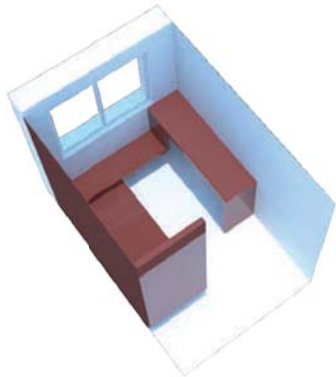
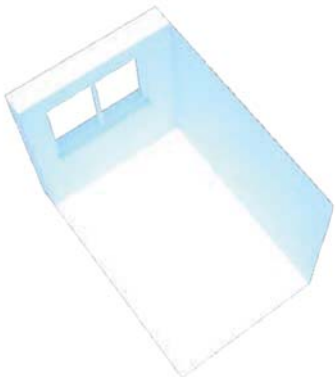
Private Project  
Design consultancy  
Valenciennes, Fr.  
Bathroom  
Surf. 12 m<sup>2</sup>  
Plaster, ceramic tiles

Design consultant:  
Louis Leclert  
Construction:  
Porcelanosa

In this family home, proprietaries wanted to remodel their bathroom to obtain a more comfortable and efficient space, by replacing the bath by a shower, and integrating clothes wash machines.

The proposal was a continuous ribbon which develops along the walls and is fitted to host each activity: high buffet for stand-up washing, a bench to change clothes, then become the shower ground and wall, masquing wash machines.

- > Continuum
- > Integration of constrains





**Interior design**  
**Snake Library**  
 2011  
**Integrated library**  
**Multiply wood**

**Design:**  
 Louis Leclert

The occupants of this small parisian flat wants to optimize space in an angle to store books.  
 > Fitted to the tricky geometry  
 > Integrated lighting



## Furniture design

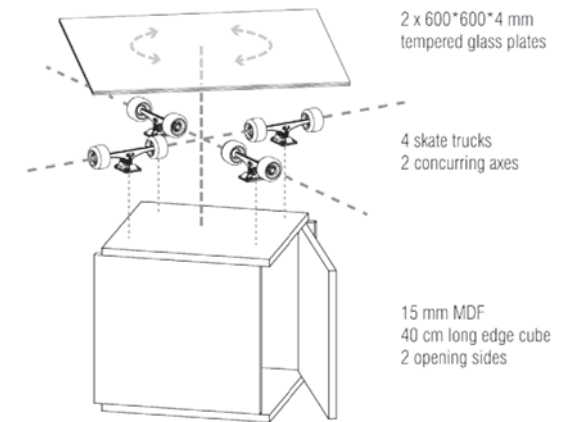


**Personal Project**  
 2009  
**Living room table**  
**MDF - glass**

**Design:**  
 Louis Leclert  
**Construction:**  
 Louis Leclert

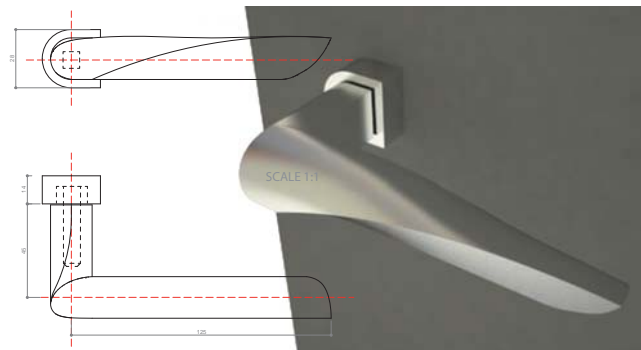
For a small apartment the young client wished a multifunctional table to receive guests.

> Rotative glass panel  
 > Integrated storage place



**Design competition**  
 2009  
**Coffee Cup**  
**Ceramic + Bamboo**

>Bamboo ring as foot  
 >Lateral grips for digits



**Colombo Competition**  
 2011  
**Door handle**  
**Stainless steel**

**Design:**  
 Louis Leclert

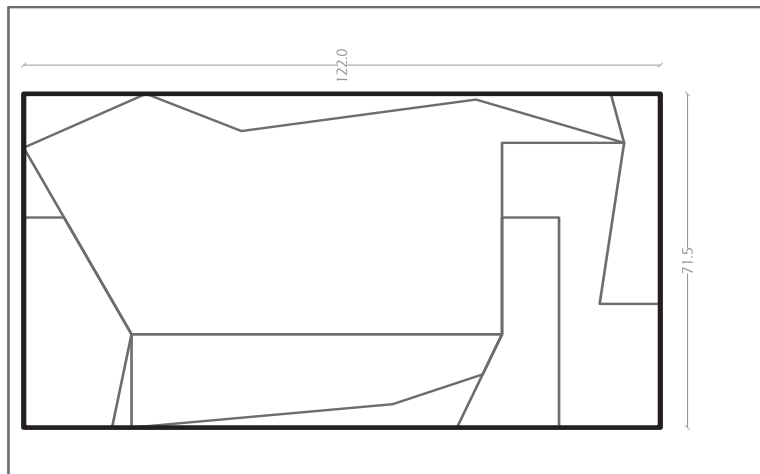
The goal was to design an innovative handle to renew the offer of Colombo.

The proposed shape twists to fit the hand movement.



**Personal Project**  
2008  
**Night table**  
Wood (MDF)  
**Design & Construction:**  
Louis Leclert

- > Integrated light & storage
- > Optimised shape to save material & fit in the room



## Lighting design

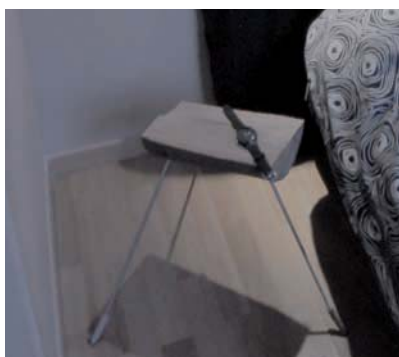


**Personal Project**  
2011  
**Bedside Light**  
Steel - Plastic  
LED

**Design:**  
Louis Leclert  
**Construction:**  
Louis Leclert

For a small bedroom, space optimisation is reached by combining functions. The bedside light is designed to require no ground space and bring comforts by hanging books.

- > Indirect lighting
- > Direct spot lighting
- > Integrated book suspension



**Personal Project**  
2010  
**Night table**  
Raw wood and steel  
**Design & Construction:**  
Louis Leclert

- > Raw materials
- > Re-used materials



**Personal Project**  
2008  
**suspended light**  
Wood + Paper

**Design & Construction:**  
Louis Leclert

- > Diffusive light
- > Lighting effects
- > Recycled materials





## Interior design The tongue



**Personal Project**  
**2010**  
**Library, buffet,**  
**table and seats**  
**MDF + OSB**

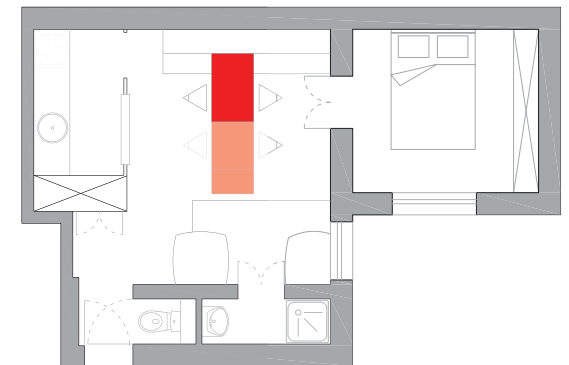
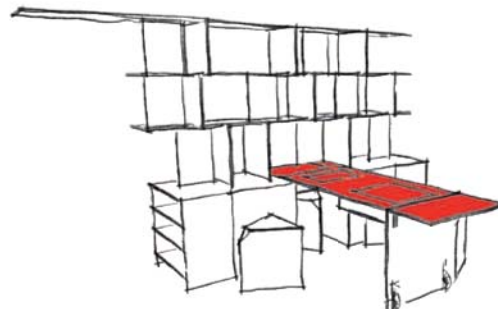
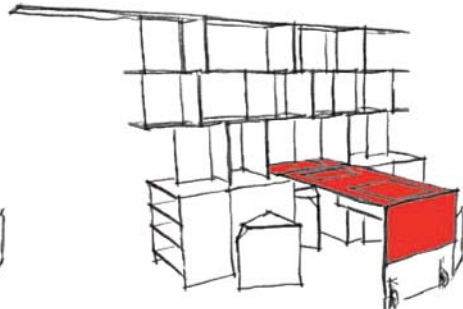
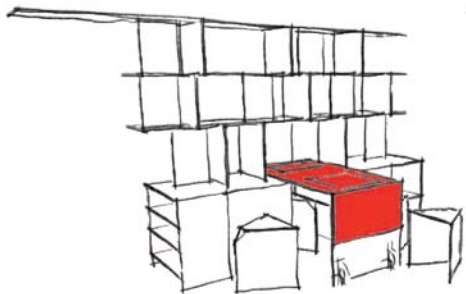
**Design:**  
Louis Leclert  
**Construction:**  
Louis Leclert

The design of the main room of this small flat has to offer the possibility of both working and living, hosting 1 to 7 guests. Regarding its small surface, it has to be a unique, compact and modular project.

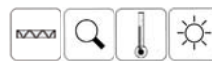
To be a component of the interior architecture rather than just a casual furniture, a great integration has been aimed. The form roots into the geometry of the flat itself, characterised by rectangular interpenetrating spaces.

The project covers a major part of the blind wall. Library in its upper part, it is wider in its lower part to form a buffet. In its middle leans a rolling table, extendable from 1.3m to 2.5m. Triangular stackable prismatic stools can be stored in the buffet under the table.

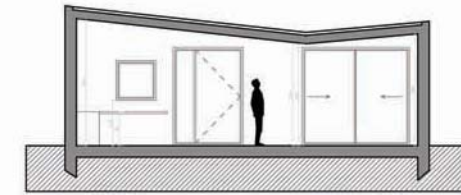
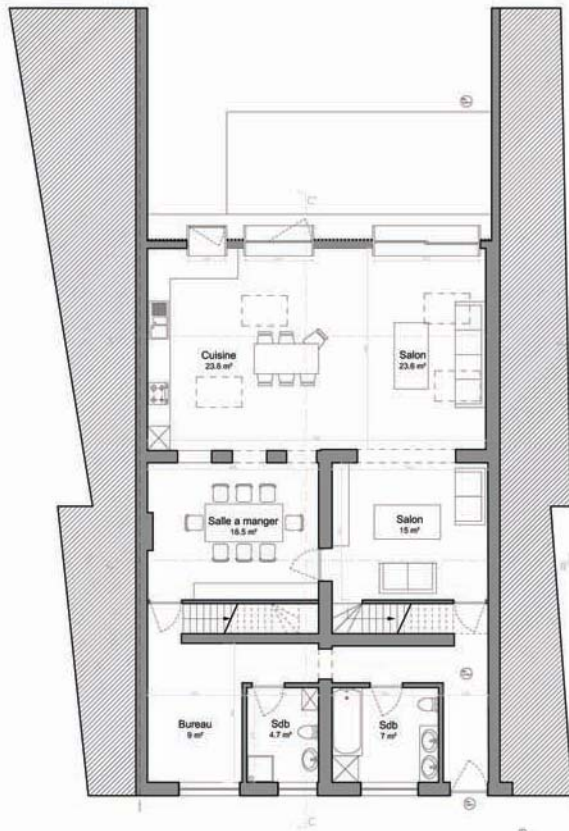
This configuration articulates the bedroom & the kitchen.



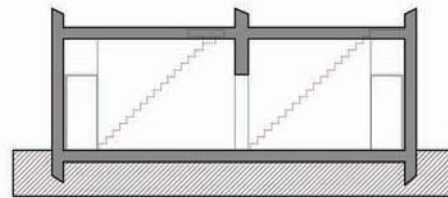




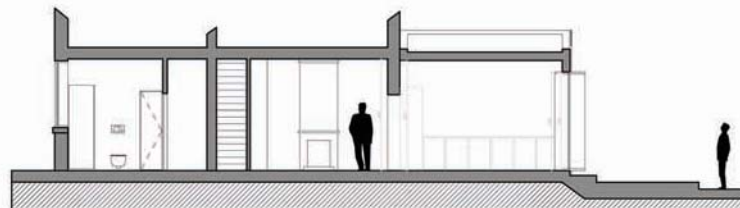
## Extension: the link



A-A'



B-B'



C-C'

**Private Project**  
**Extension**  
**Soignies, Be.**  
**Living, Kitchen**  
**Surf. 81 m<sup>2</sup>**  
**Masonry, Wood**

**Design team:**  
Louis Leclert  
Anna Chiambretto  
Benoît Nihoul

The client own two identical, attached row-houses. It's aim is to create an extension which links both existing houses, while leaving the possibility to divide again in two houses in the future.

The proposal was large and unique volume, widely opened to the garden. Luminous and spacious, it is the new main living space of the home, linking the two existing row-houses.

- > Openness to the garden
- > Connection of two existing houses
- > Possibility of space division in the future

