

nextstation
PARIS 2007

6 & 7 décembre 2007

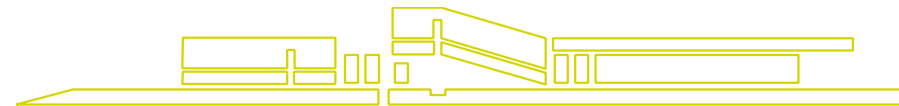
2^{ÈME} CONFÉRENCE INTERNATIONALE
SUR LES GARES FERROVIAIRES



AREP
6 et 7 décembre 2007



AREP, subsidiary of the SNCF group,
is a multidisciplinary design office specialized
in urban development, architecture,
construction and urban furniture design,
urban public transport facilities.



AREP's fields of expertise

Consulting and contracting

For buildings

- Architectural programming
- Spatial organisation
- Structural design for large spaces
- Interior design
- Furniture and equipment design
- Construction financial management
- Climatic comfort
- Acoustics and sound-proofing
- Lighting
- Electromechanical engineering
- Fire safety and security measures
- Construction management and on-site coordination



AREP's fields of expertise

Consulting and contracting

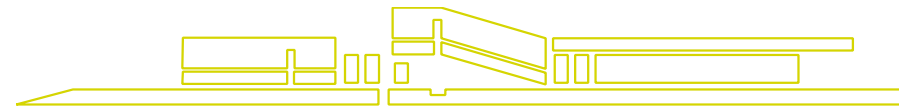
For the city

- Urban planning
- Client support: consulting, appraisals
- Sustainable urban development and programming
- Environment and landscape design
- Urban design management : tramway, train station areas
- Civil networks engineering : creation of public spaces
- Design : street furniture, signage
- Research : the city in motion, ...

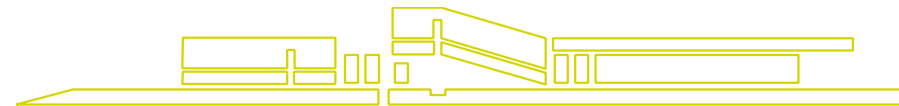


Since 1997, AREP is organized in three departments :

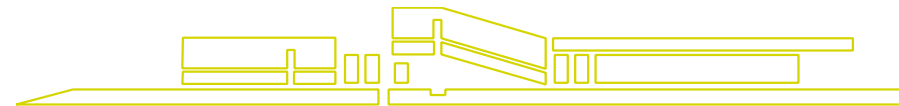
- Project department
- Engineering department
- Urban planning department



Projects are carried out by multidisciplinary teams composed of architects, engineers, technicians, quantity surveyors, planners and economist managers



AREP is certified ISO 9001 and
qualified OPPQIBI



AREP

Chargés de missions

Ecole des gares
Marcel Bajard, Andréas Heym

Qualité
Bruno Le Poulennec

Stratégie et développement
Catherine Gatineau

Président directeur général
Jean-Marie Duthilleul

Directeur général délégué
Etienne Tricaud

Directeur général adjoint
Françoise Mahiou

Administration, finances, informatique
Dominique Girard

Ressources humaines
Véronique Gabas-Varini

Communication, recherche
Dominique Paultre

Pôle Ingénierie
Jean-Marie Bonello

Unité Chargés d'affaires
Henri-François Husson

Unité études techniques
Jean-Marie Bonello

Unité économie des projets
Bernard Ratel

Unité expertise technique bâtiment
Matthieu Pihouée

Unité structures
Alain Tailland

Unité ingénierie industrielle - Matériel
Philippe meunier

Pôle projets Travaux
Didier Sinturel

Pôle projets Régions
Philippe Druesne

Unité projets Sud-Ouest
José Tora-Pauner

Unité projets Centre-Ouest
Selim Kenan

Unité projets Est
Thierry Teulet

Unité projets Sud-Est
Philippe Druesne
Olivier Mawas (adjoint Lyon)
Georges Lopez (adjoint Marseille)

Unité projets 1
Fabienne Couvert
Marie-Odile Bosc

Unité projets 2
François Pradillon
Marie-Odile Bosc

Unité projets 3
Sylvie Guillaume

Unité projet 4
Dominique Bétrancourt

Unité projets 5
Raphaël Ricote

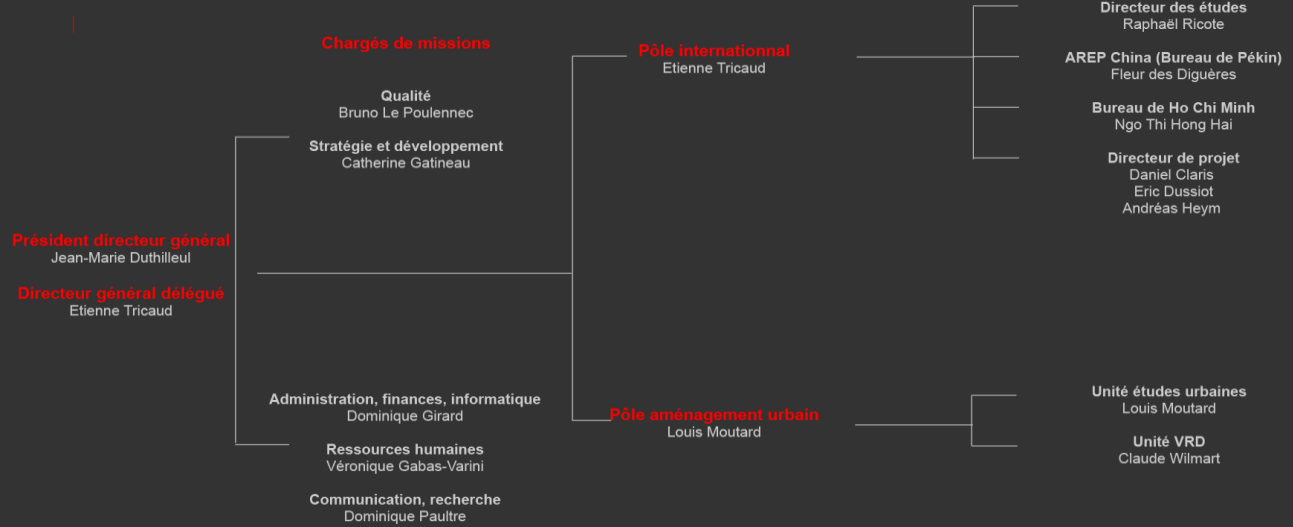
Unité projets 7 Gares DIF
Frédéric Caron

Unité projets 8 Design-Services
Isabelle Le Saux

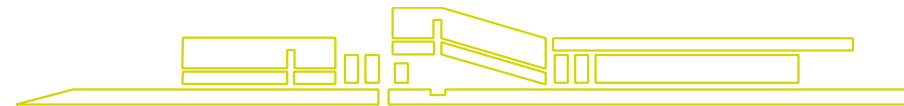
Unité projets 9
Marc Périer

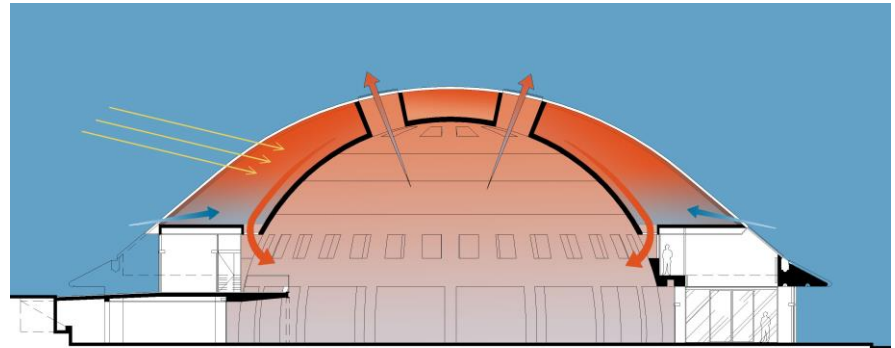


AREP
ville



Bellegarde station

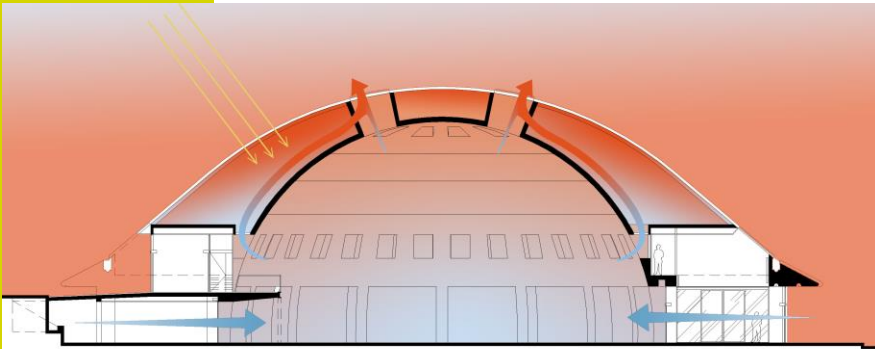




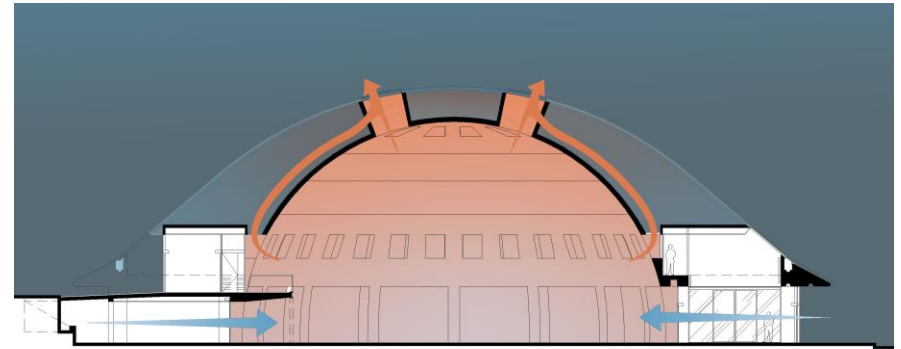
Fonctionnement en hiver, préchauffage de l'air dans la double peau et soufflage dans le hall

Projet phare qualité environnementale : Enveloppe double-peau du hall de gare, utilisation de la double peau pour le préchauffage de l'air, ventilation naturelle assistée par des cheminées solaires, surventilation nocturne pour le rafraîchissement.





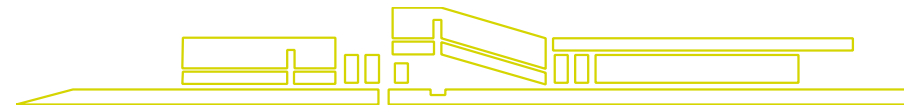
Fonctionnement diurne en été, ventilation naturelle assistée par les cheminées solaires

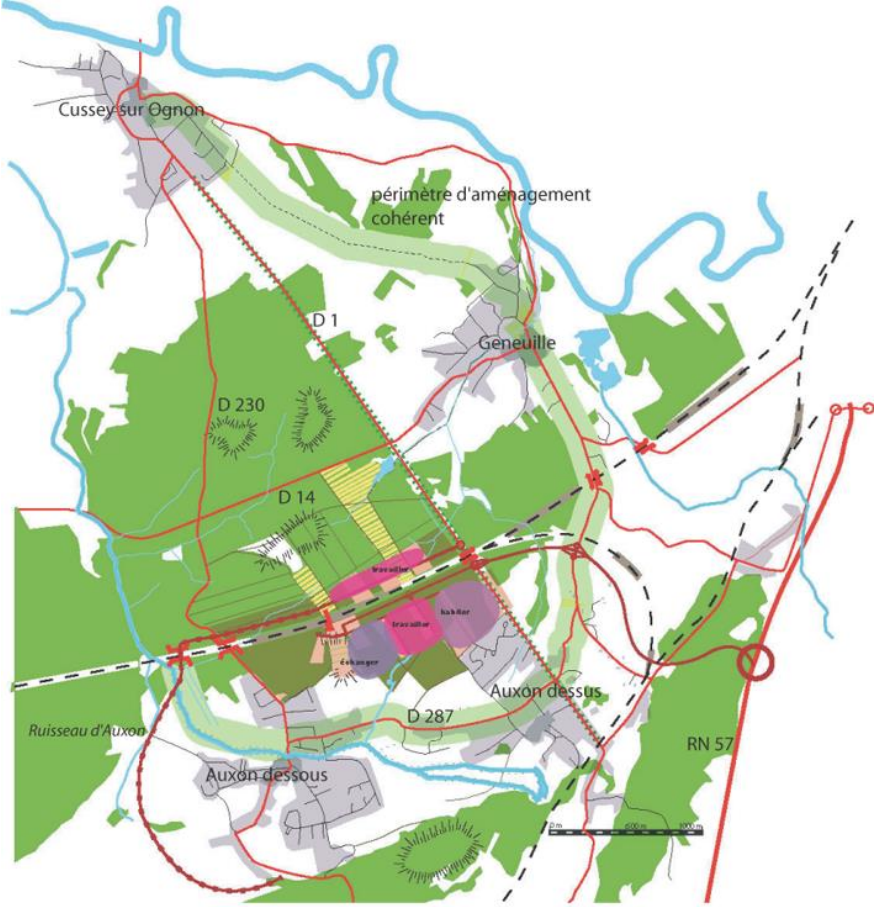


Fonctionnement nocturne en été, surventilation pour le rafraîchissement



Besançon station





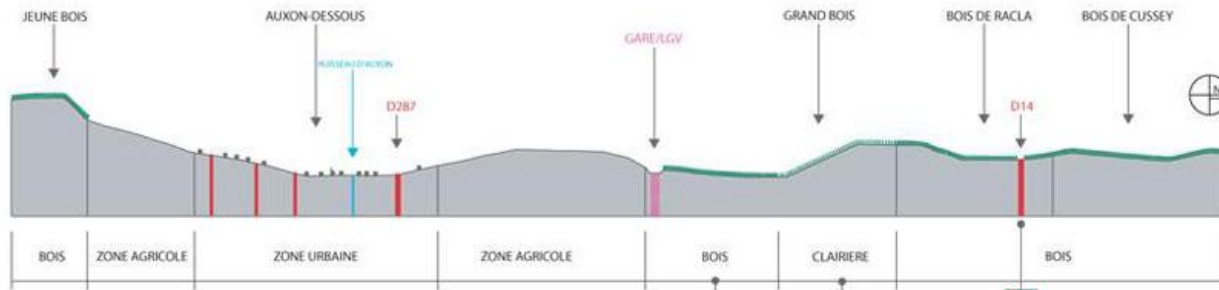






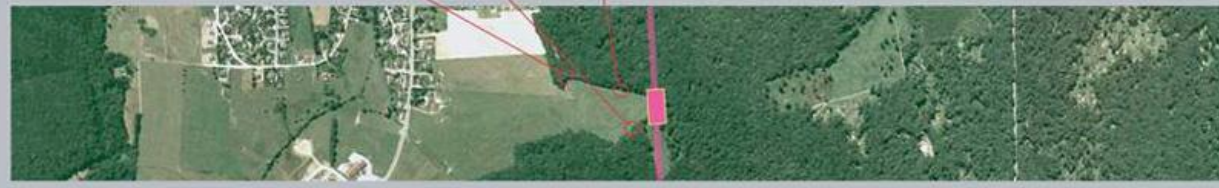


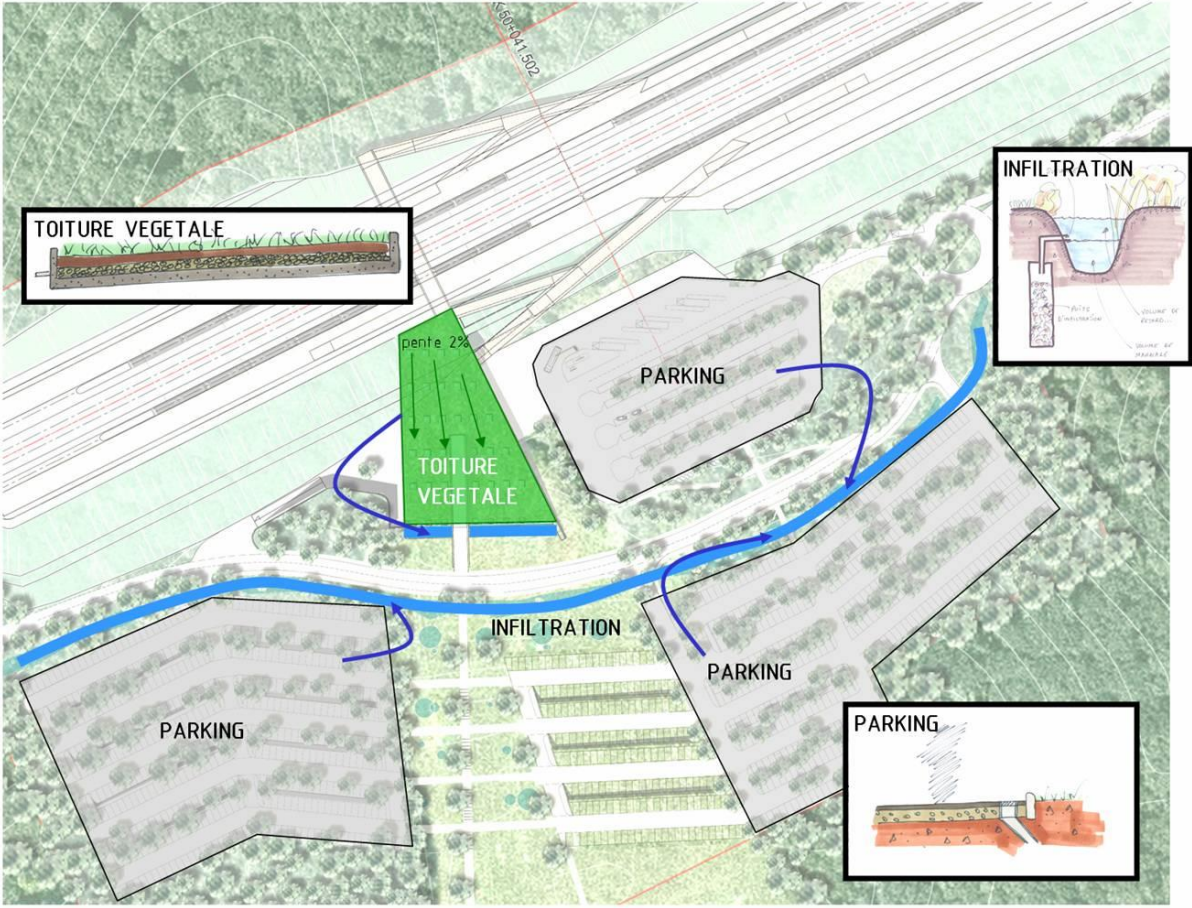
COUPE-PROFIL DU SITE DE LA GARE D'AUXON 1/12500 ème

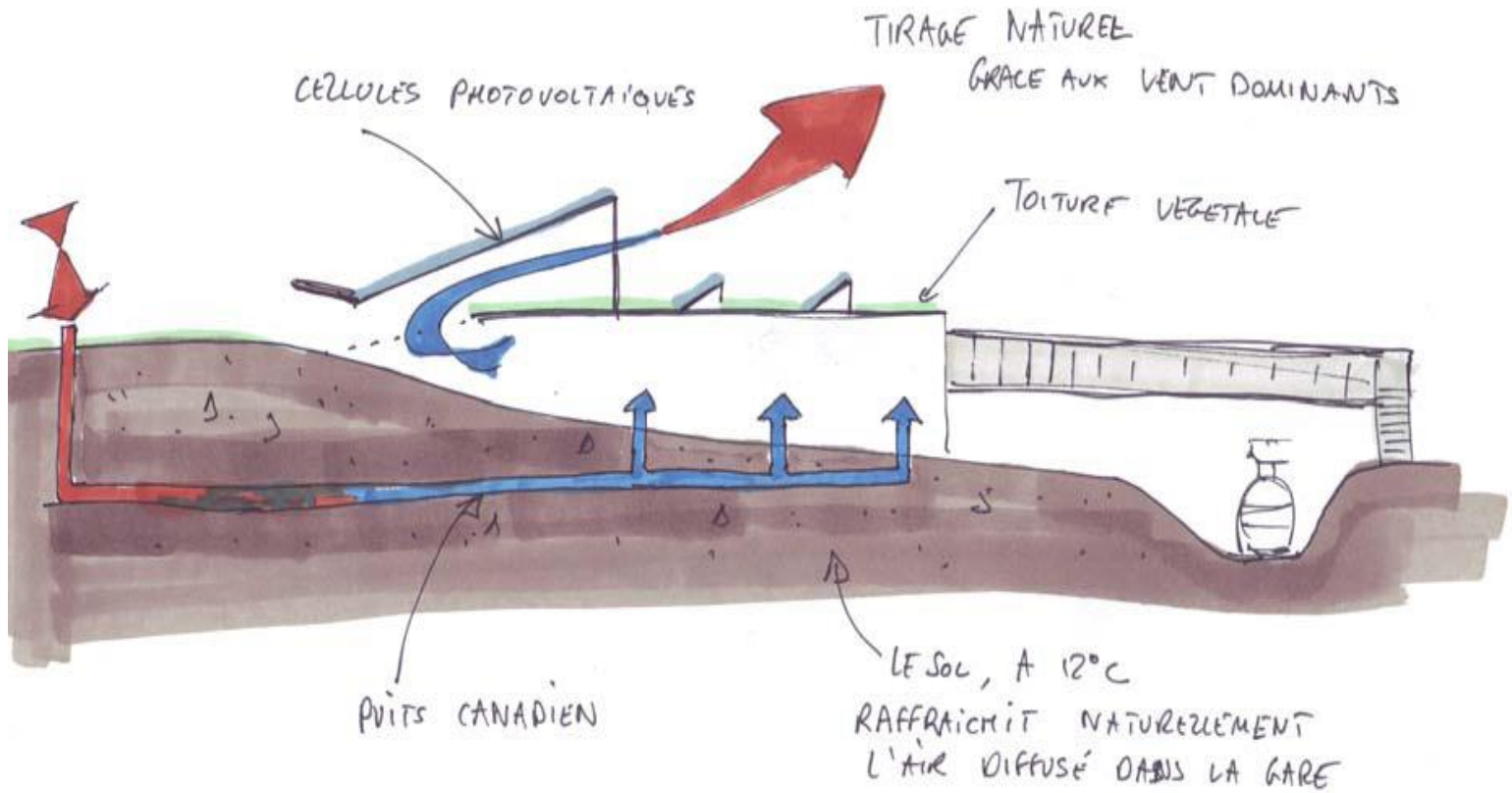


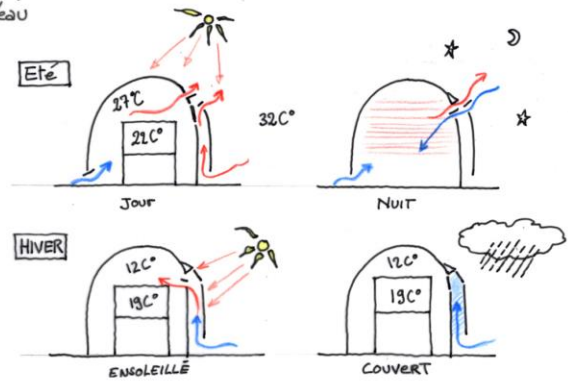
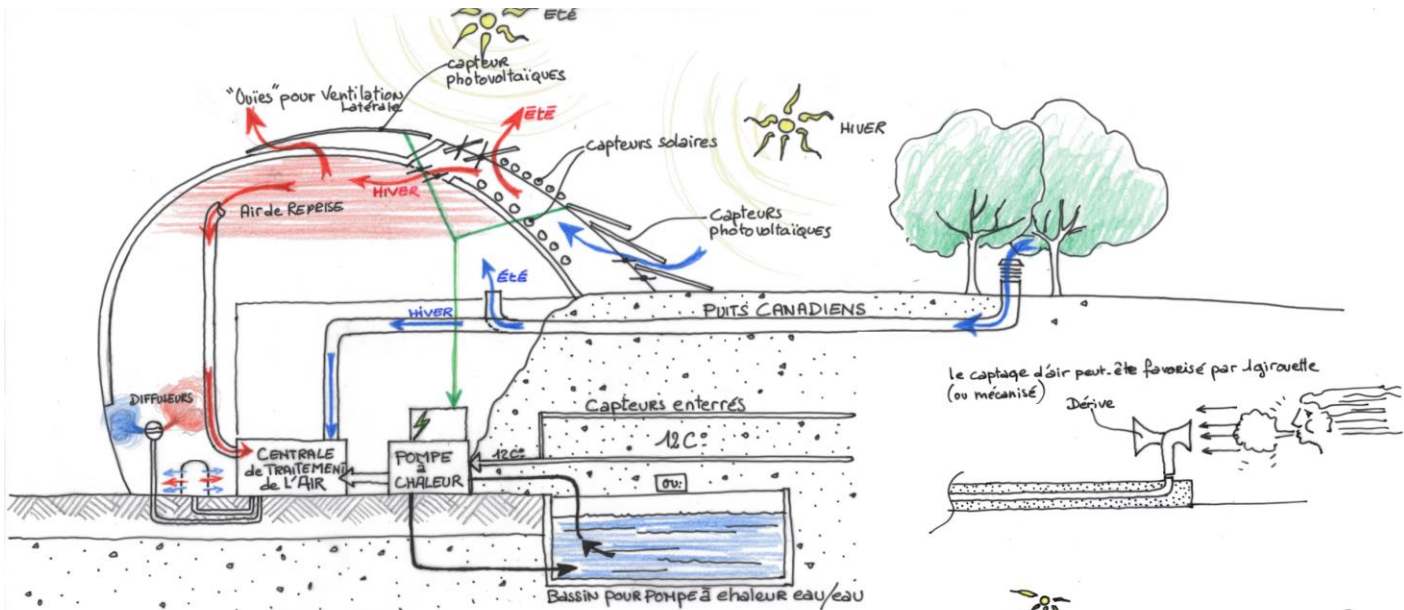
TYPOLOGIE DU BOIS AUX ABORDS DU SITE DE LA GARE
STRUCTURE DU BOIS

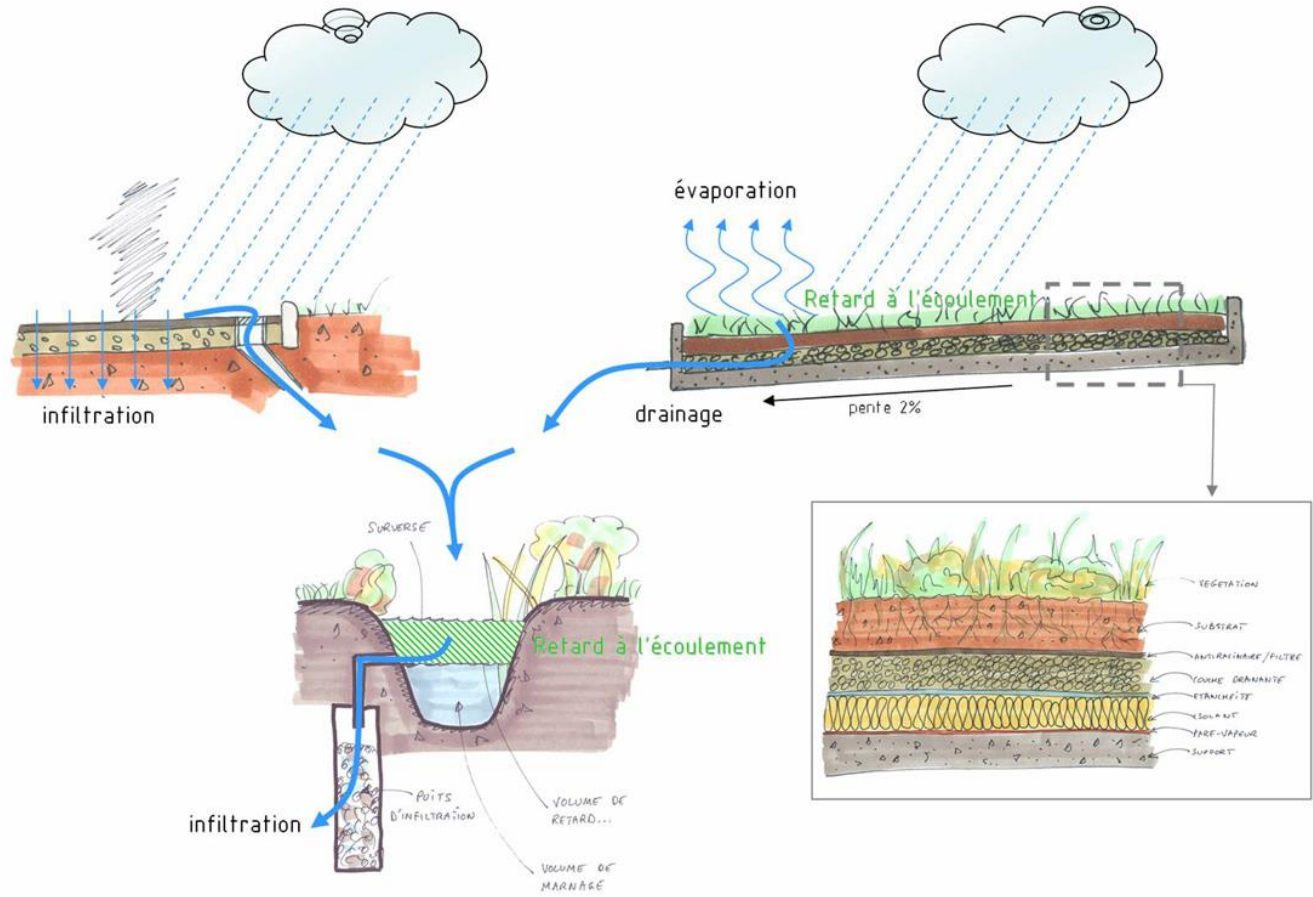
LES FRANGES BOISEES



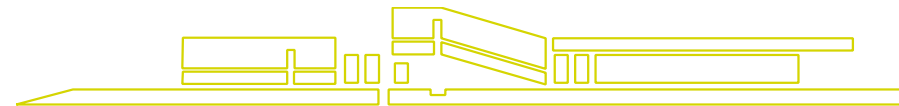




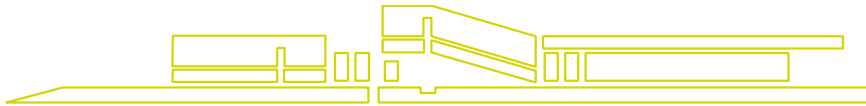




Porta Susa, Turin



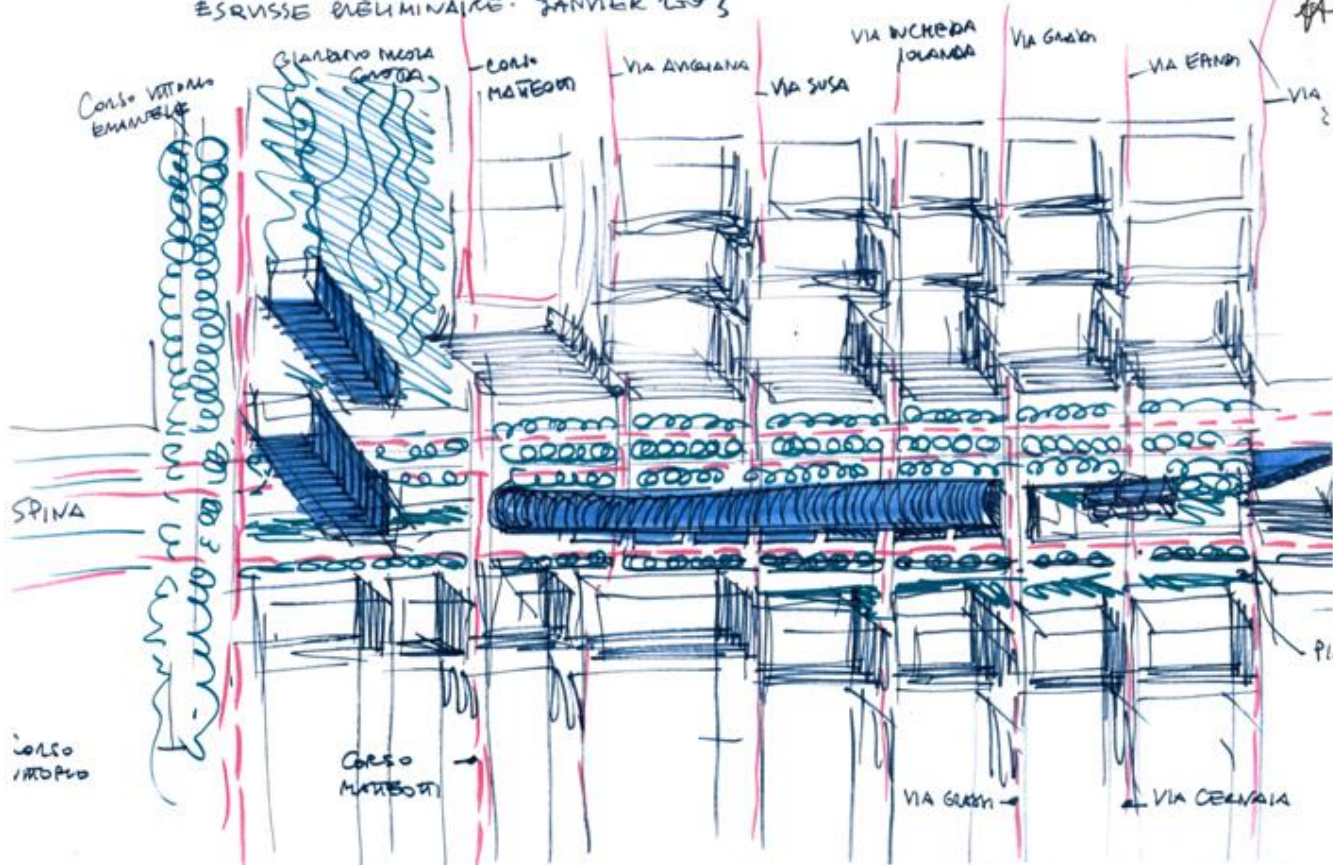




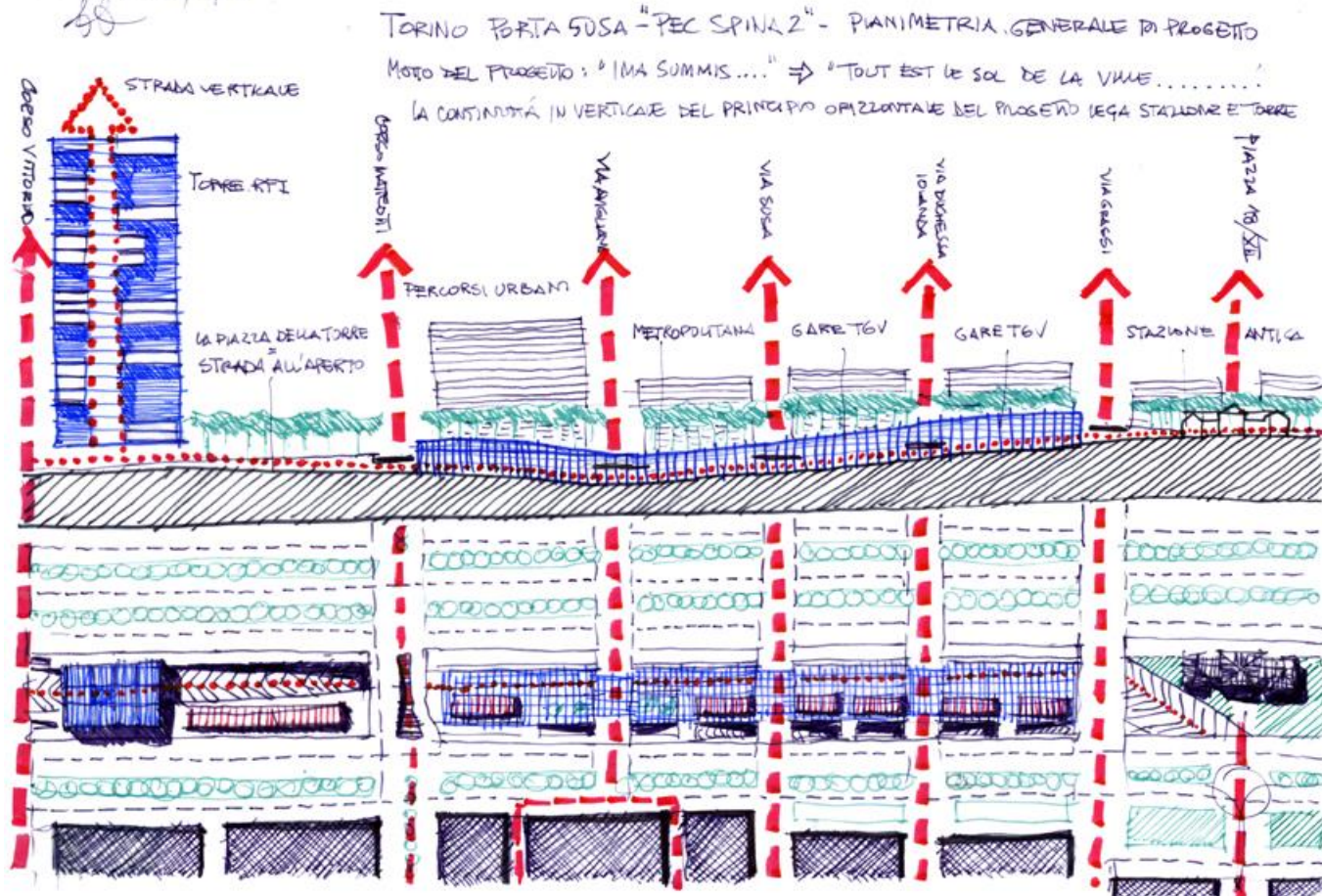


SCHEMA VOLUMETRICO "SPINA 2" - PEC
ESRUSSE DÉLIMITAIRE - JANVIER 2003

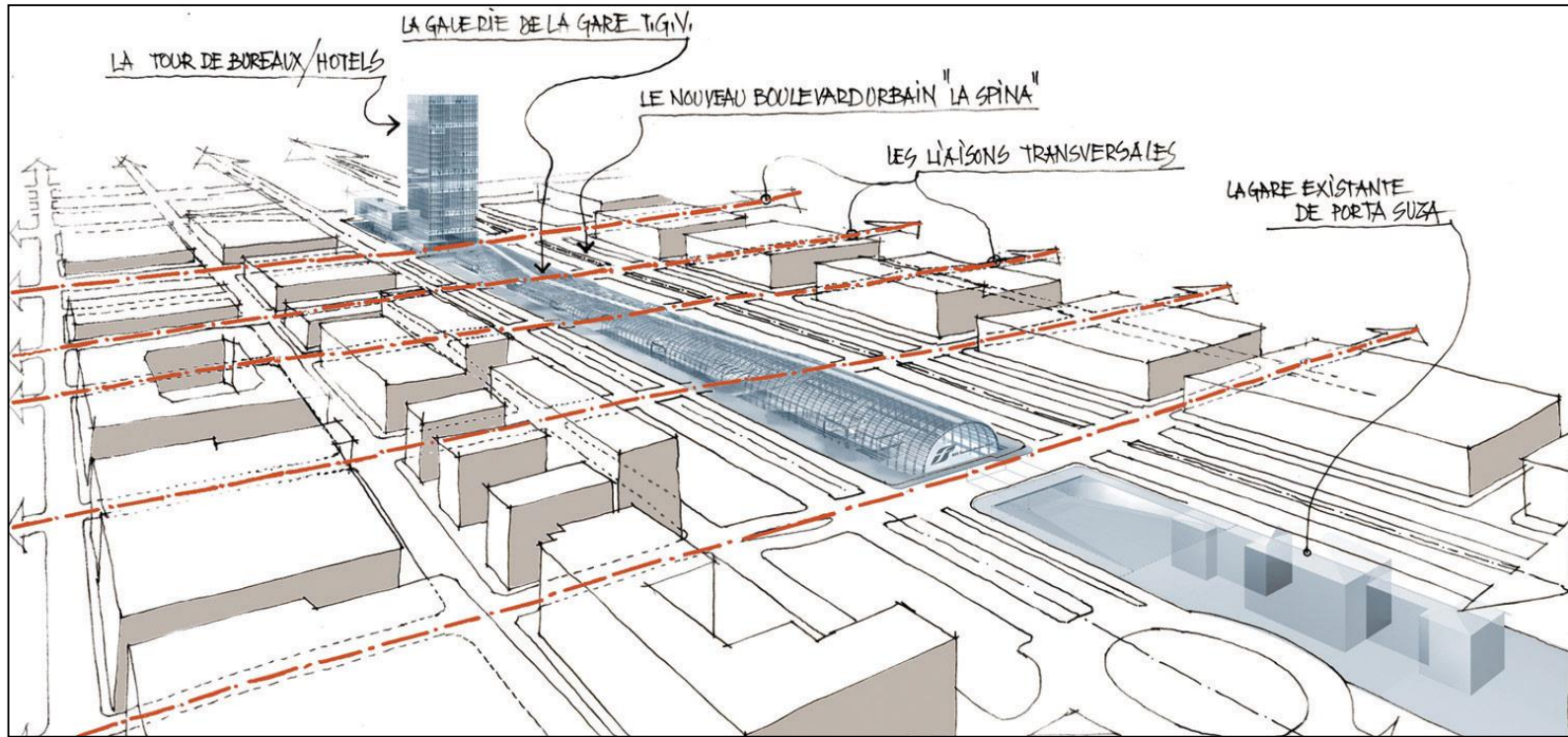
Plan 16 03/01/03
fl

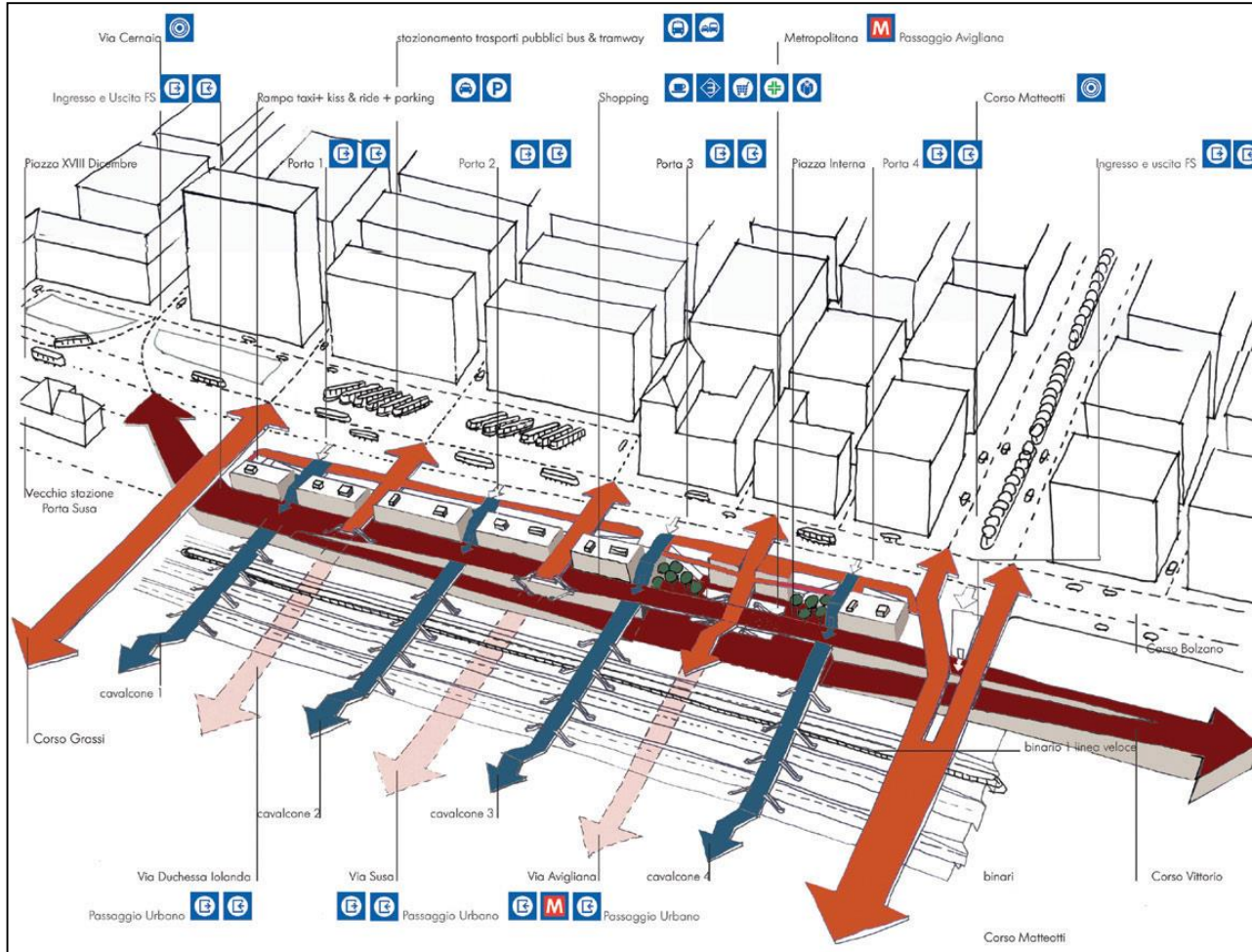


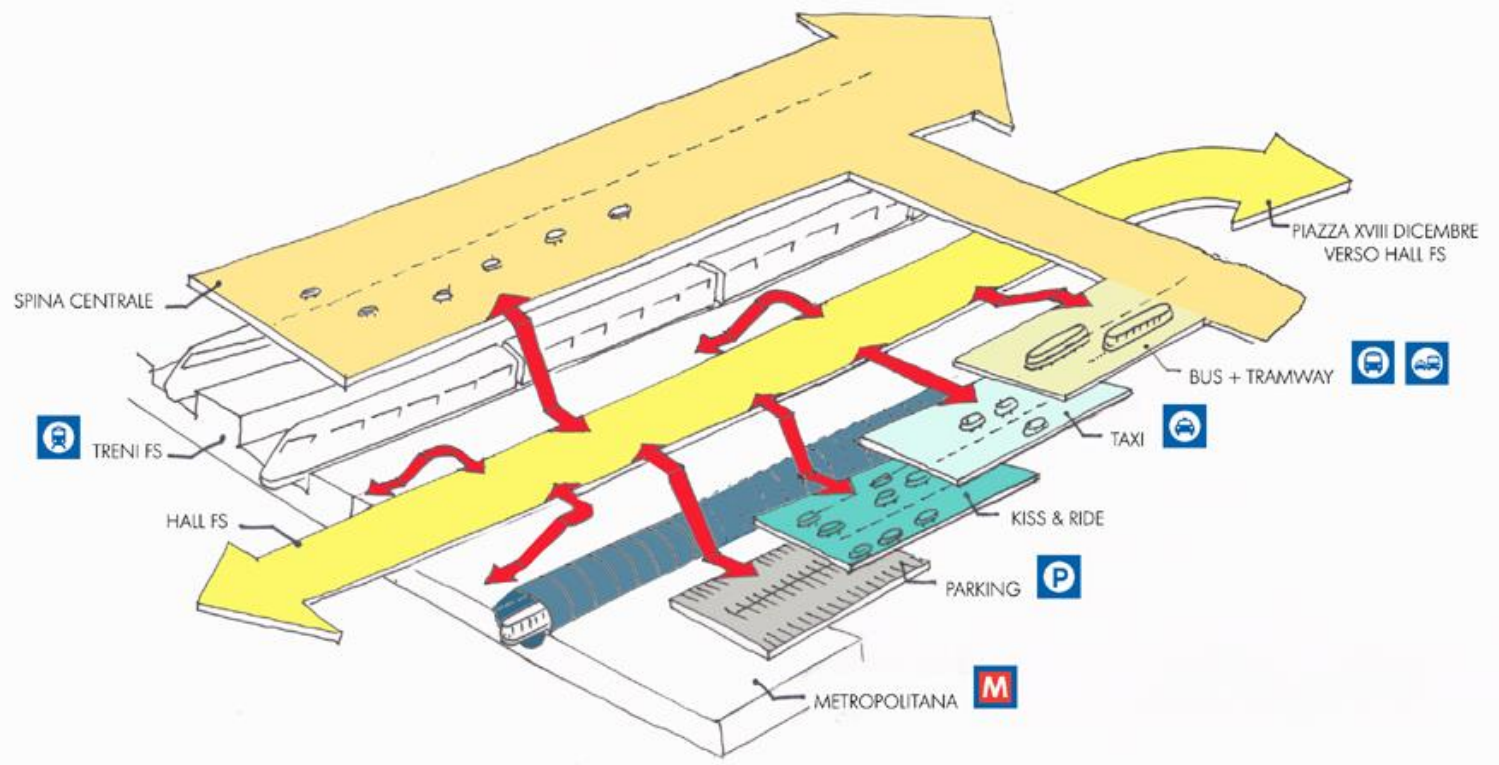
PARIS/TORINO 26/03/03

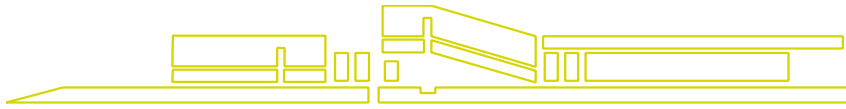
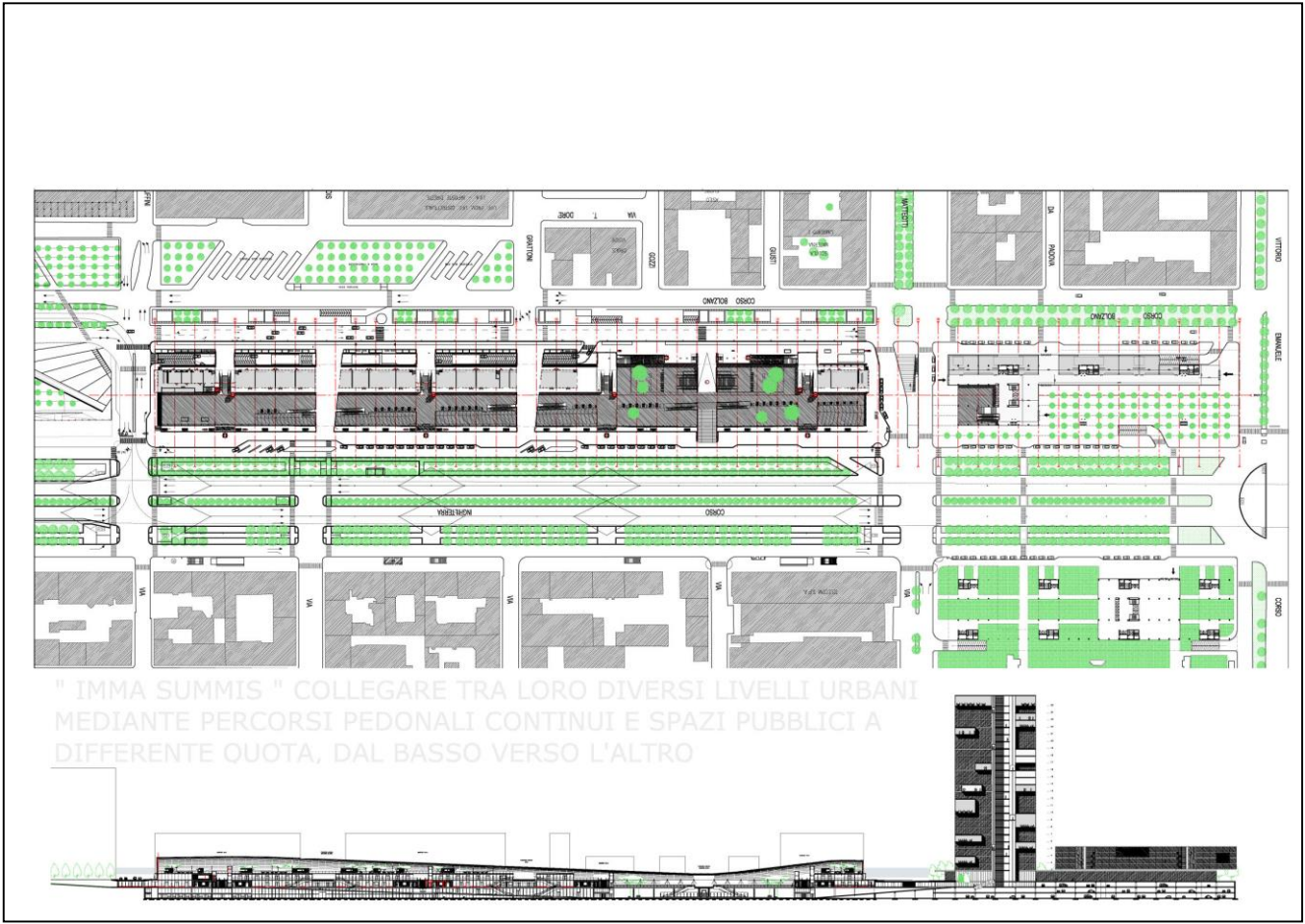














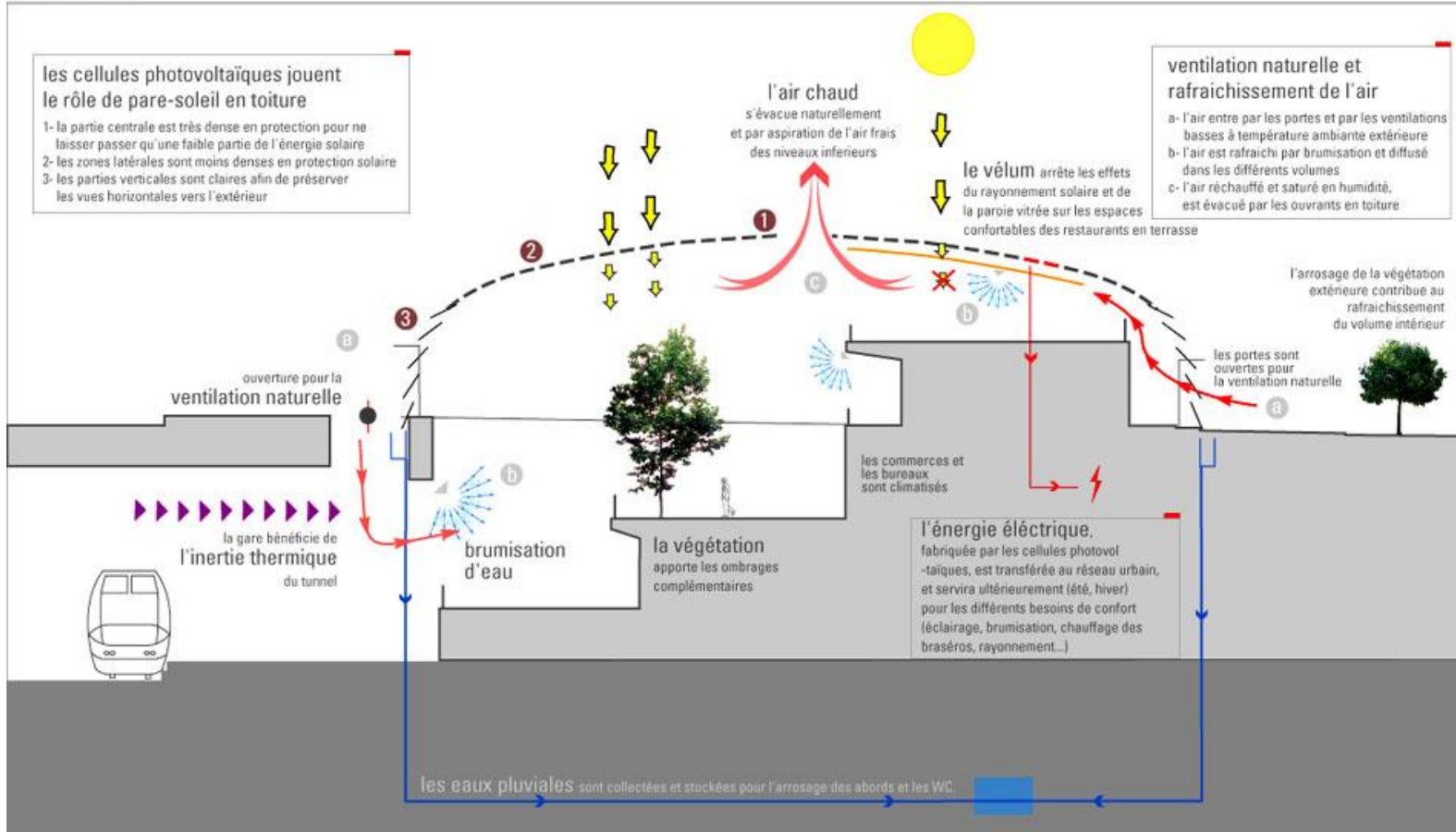
ETE

les cellules photovoltaïques jouent le rôle de pare-soleil en toiture

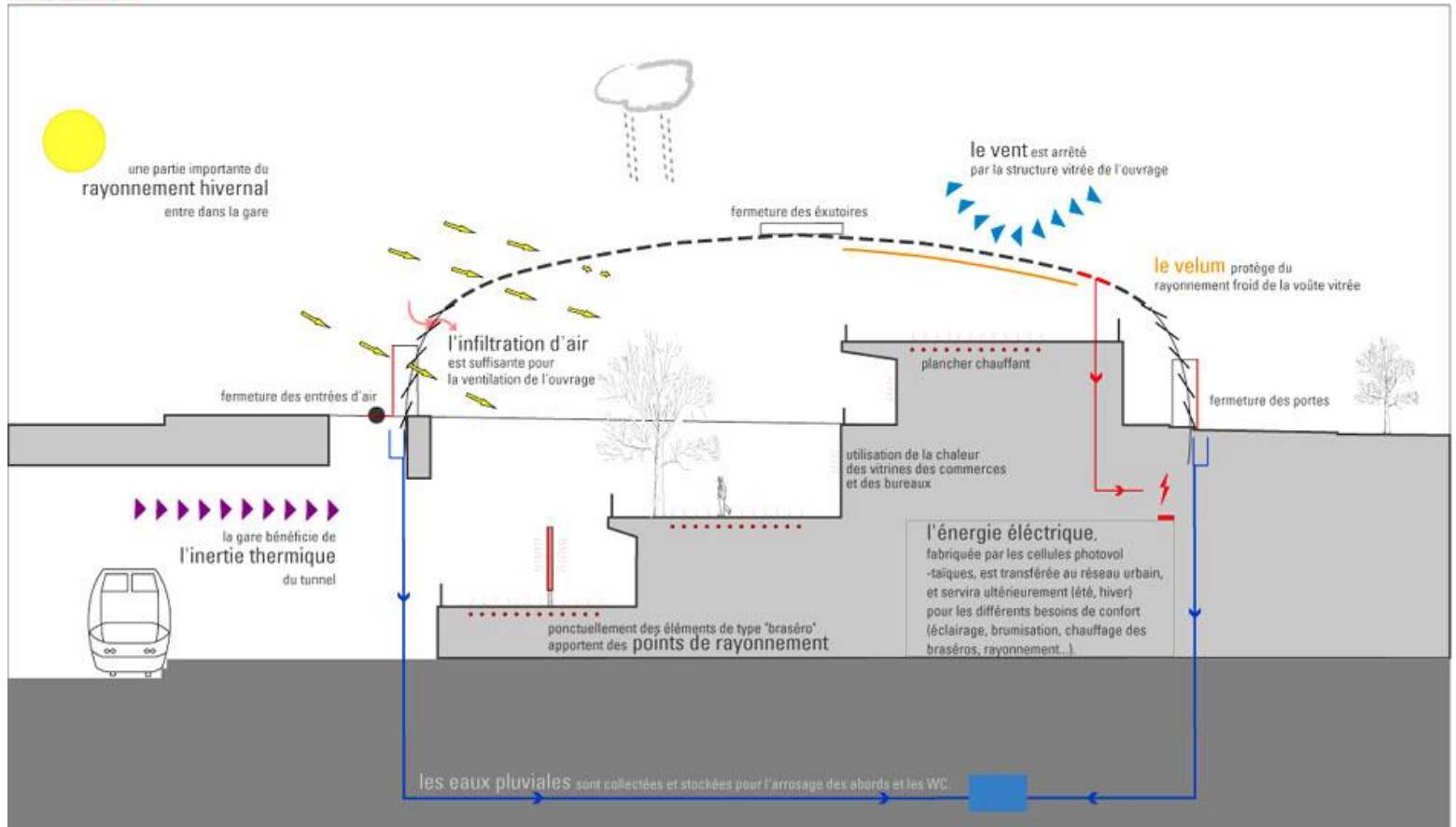
- 1- la partie centrale est très dense en protection pour ne laisser passer qu'une faible partie de l'énergie solaire
- 2- les zones latérales sont moins denses en protection solaire
- 3- les parties verticales sont claires afin de préserver les vues horizontales vers l'extérieur

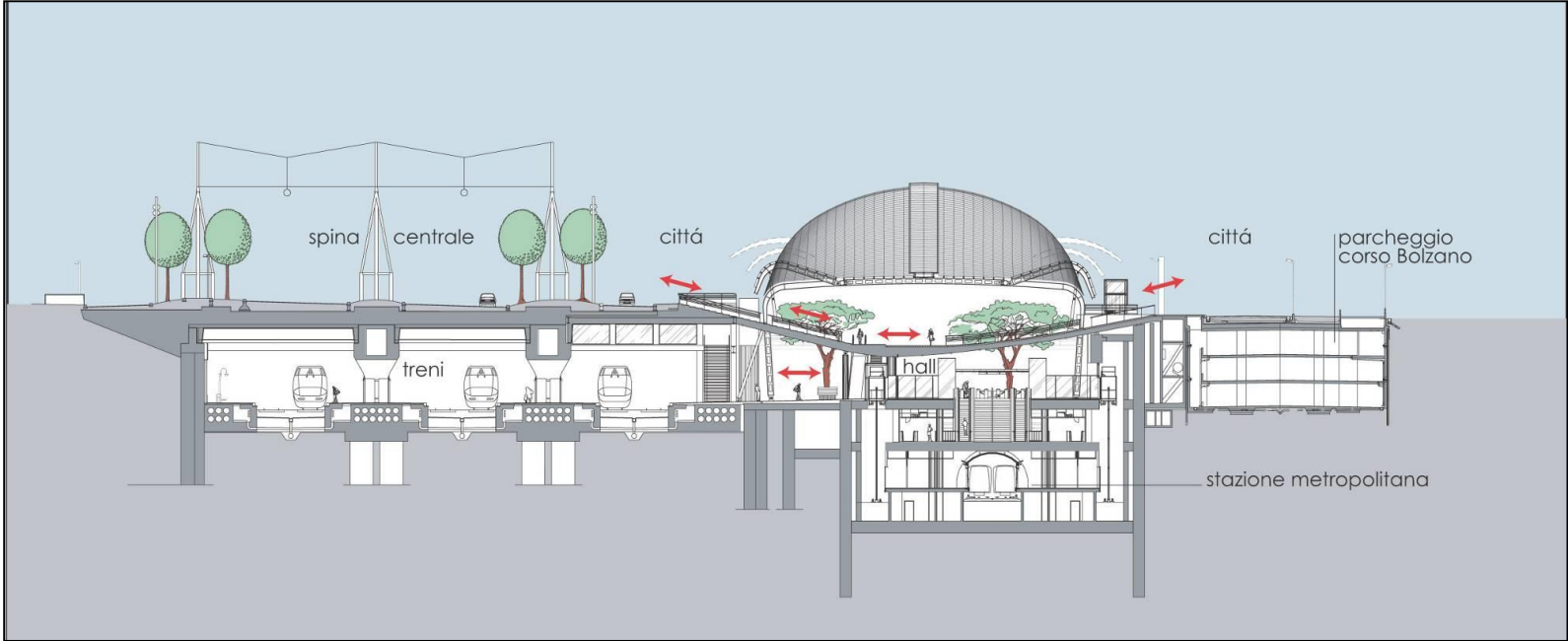
ventilation naturelle et rafraîchissement de l'air

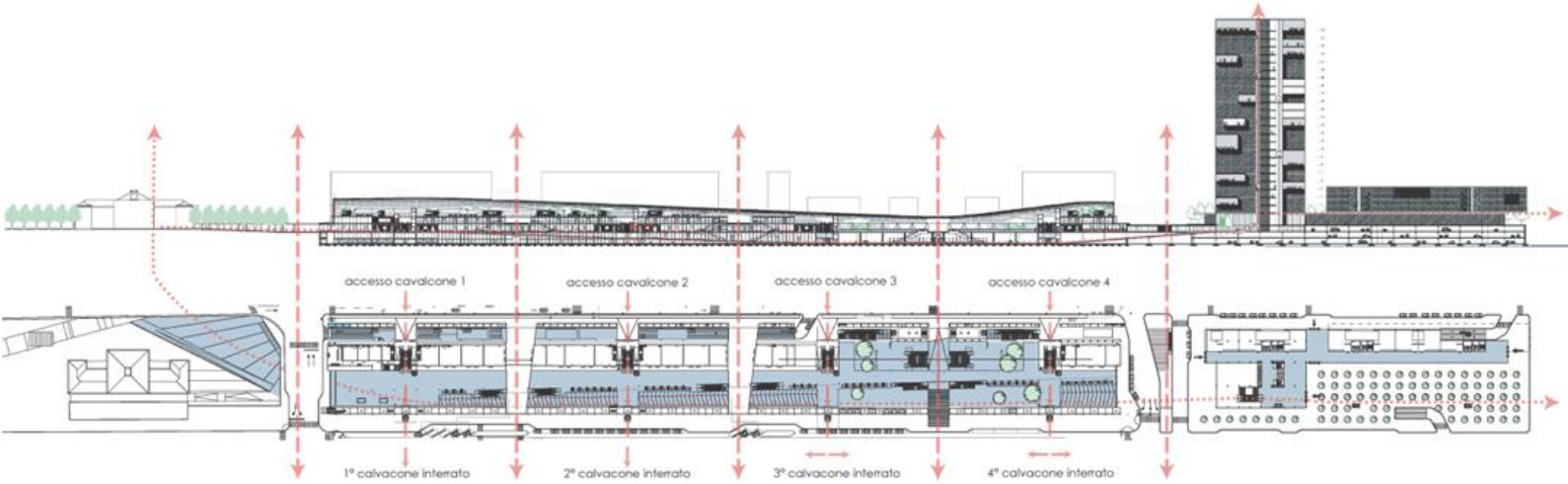
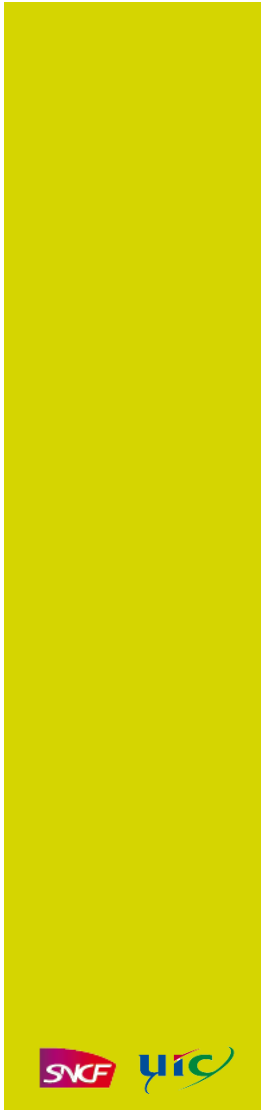
- a- l'air entre par les portes et par les ventilations basses à température ambiante extérieure
- b- l'air est rafraîchi par brumisation et diffusé dans les différents volumes
- c- l'air réchauffé et saturé en humidité, est évacué par les ouvrants en toiture



HIVER_







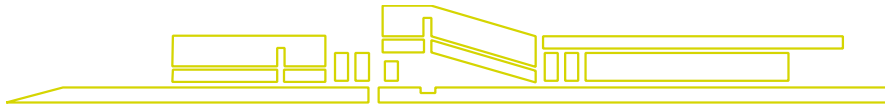




Torino Porta Susa



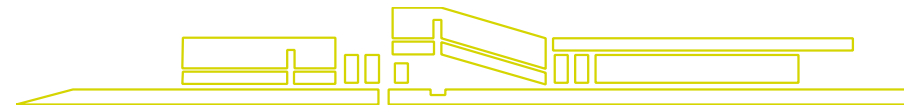


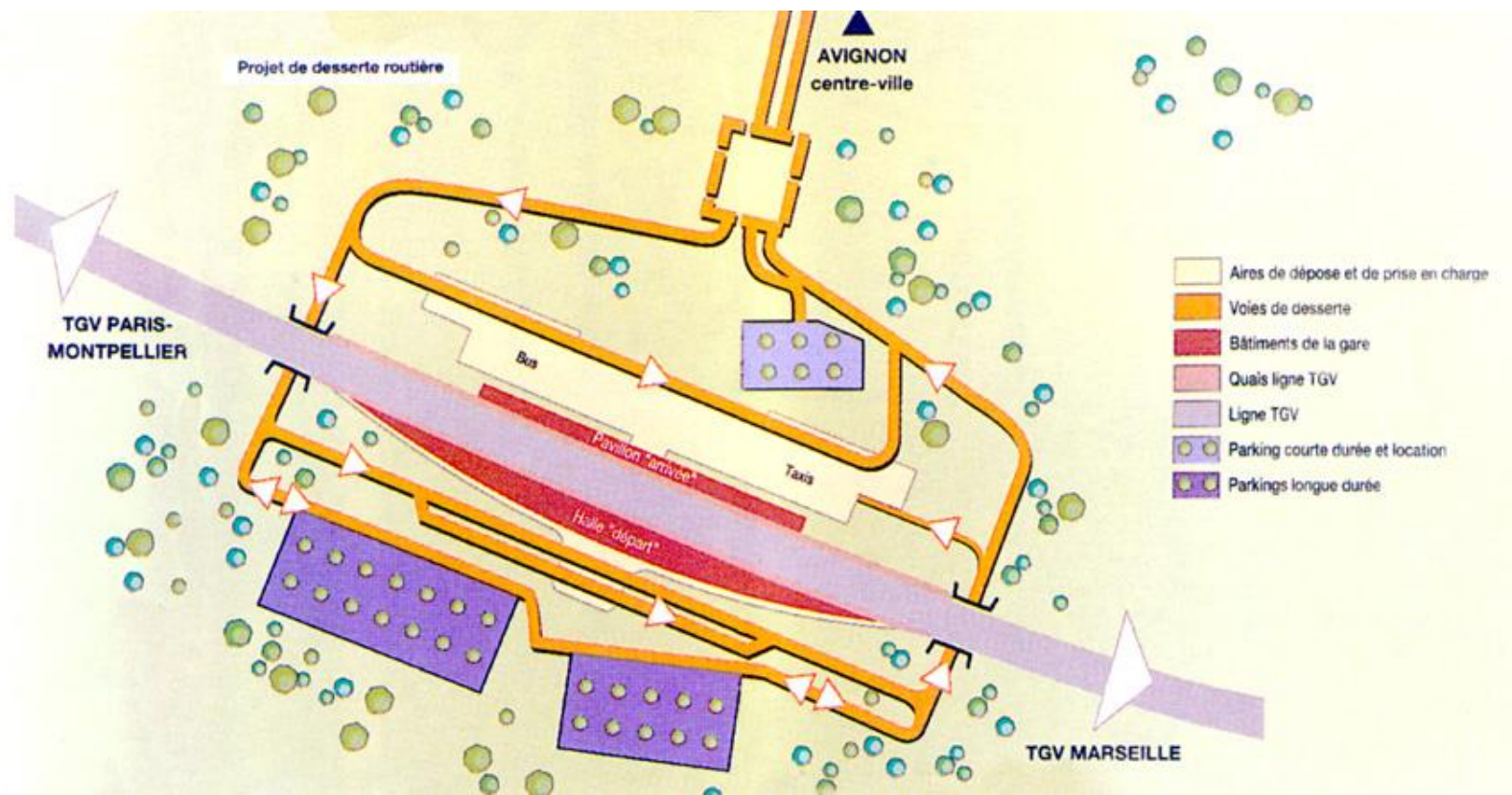


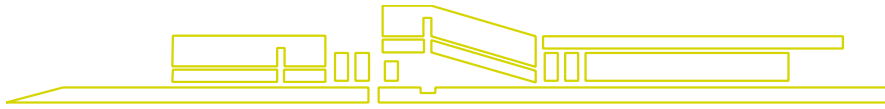


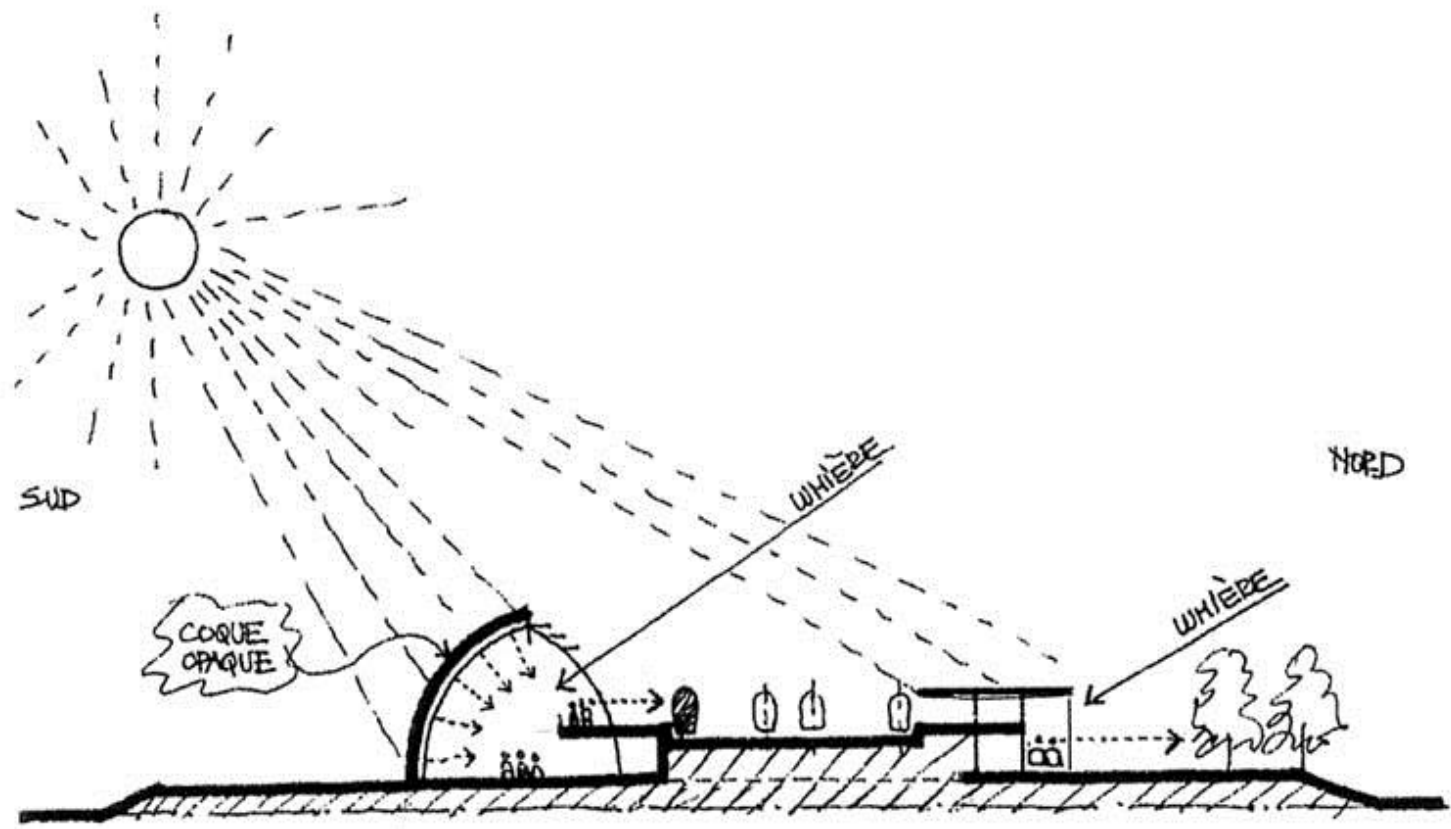


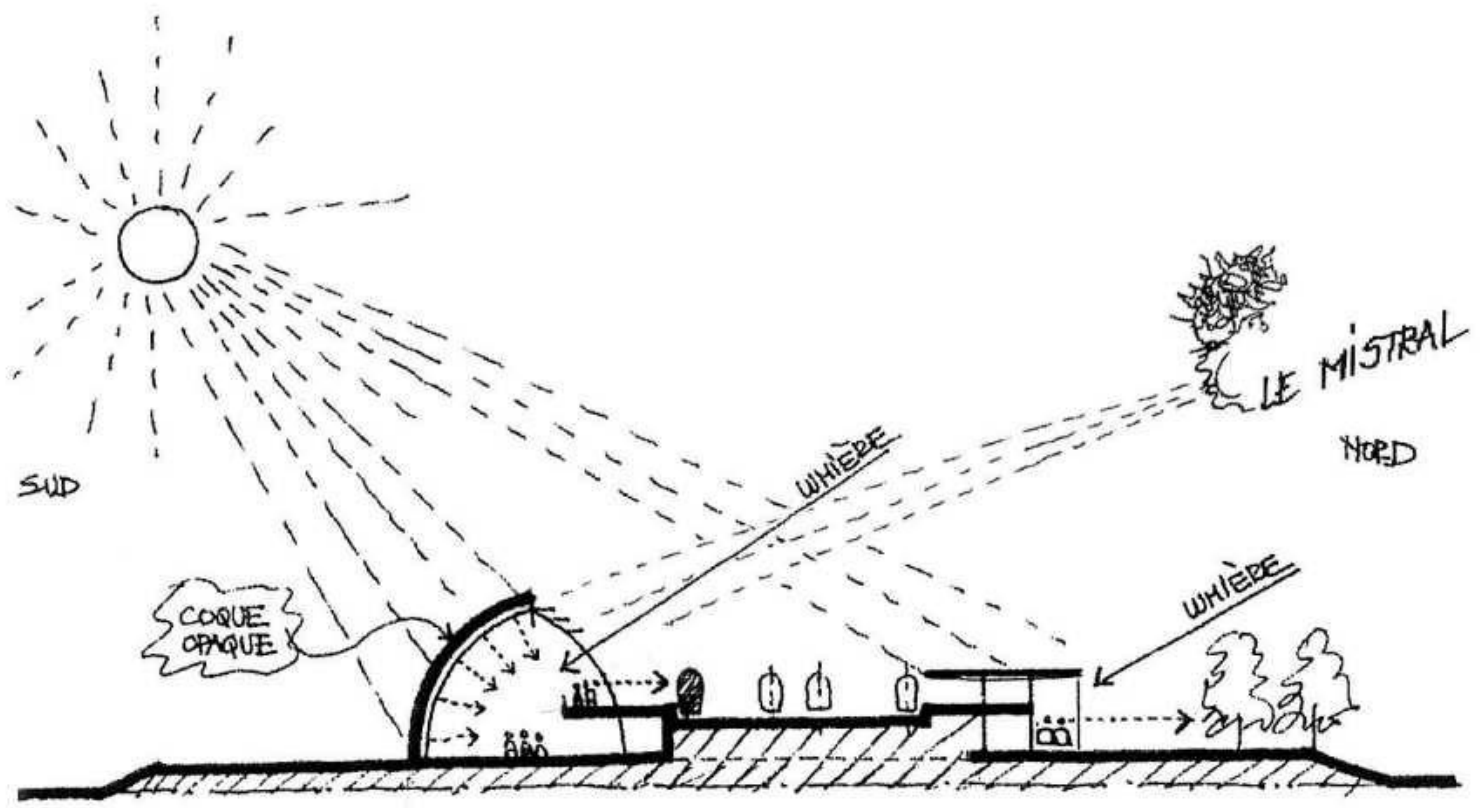
Avignon TGV station







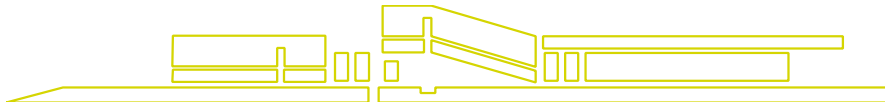
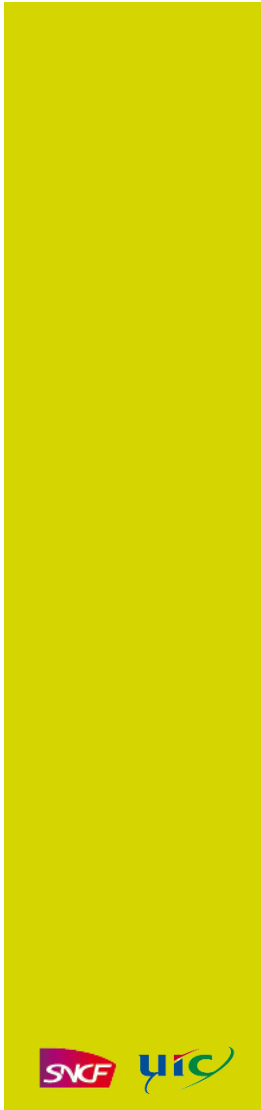


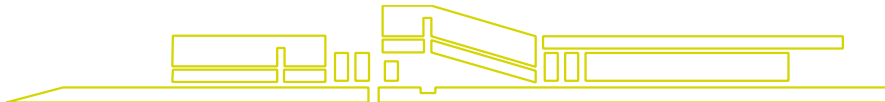






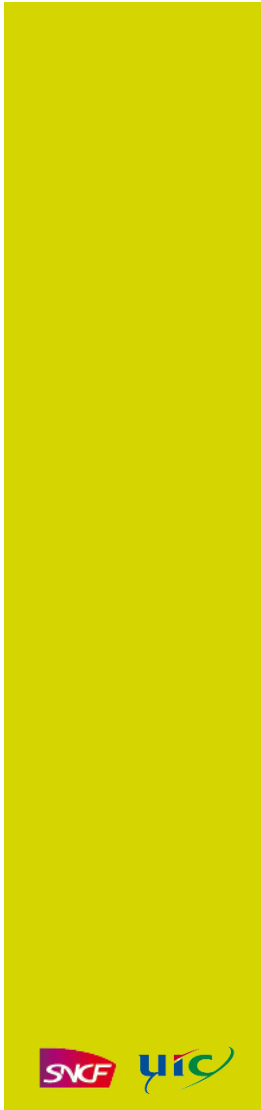












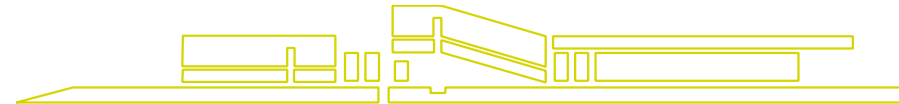


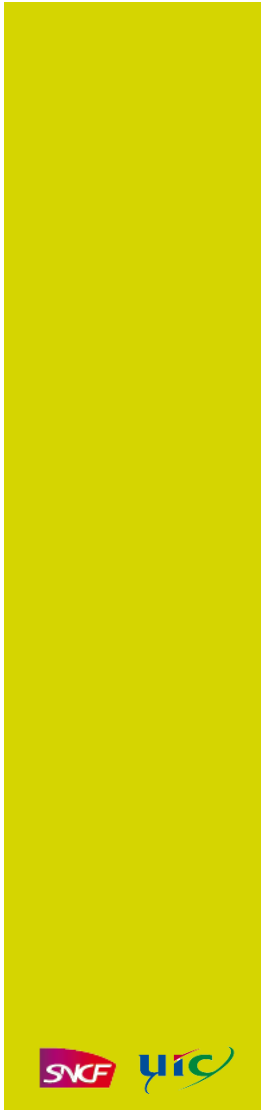


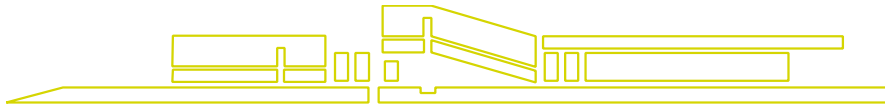


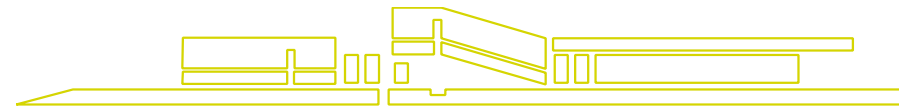


Meuse TGV station





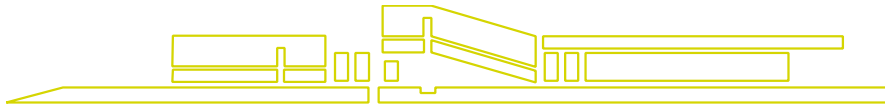




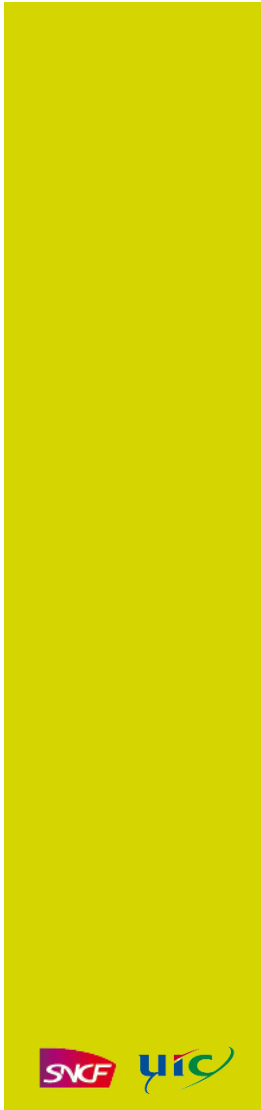






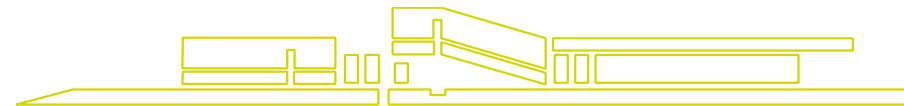




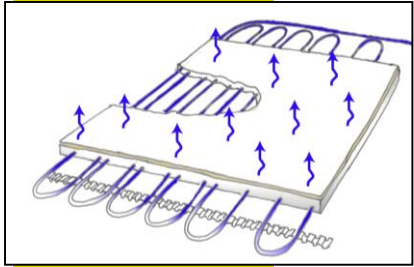
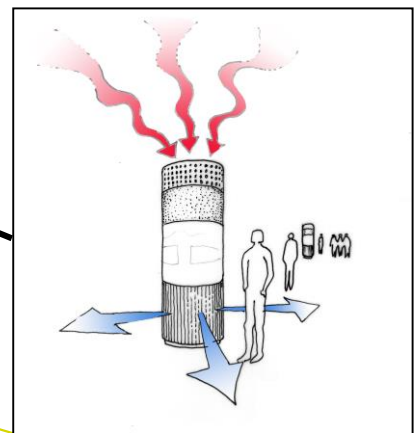
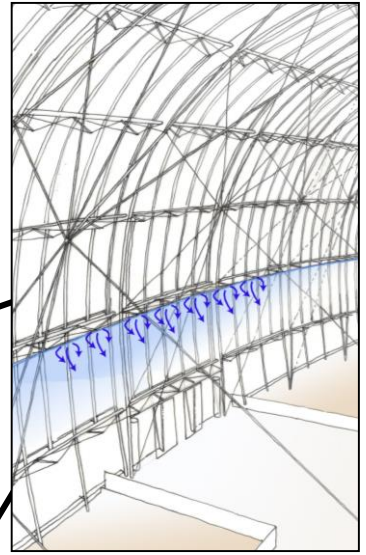
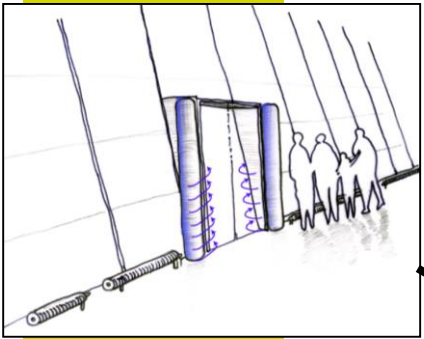
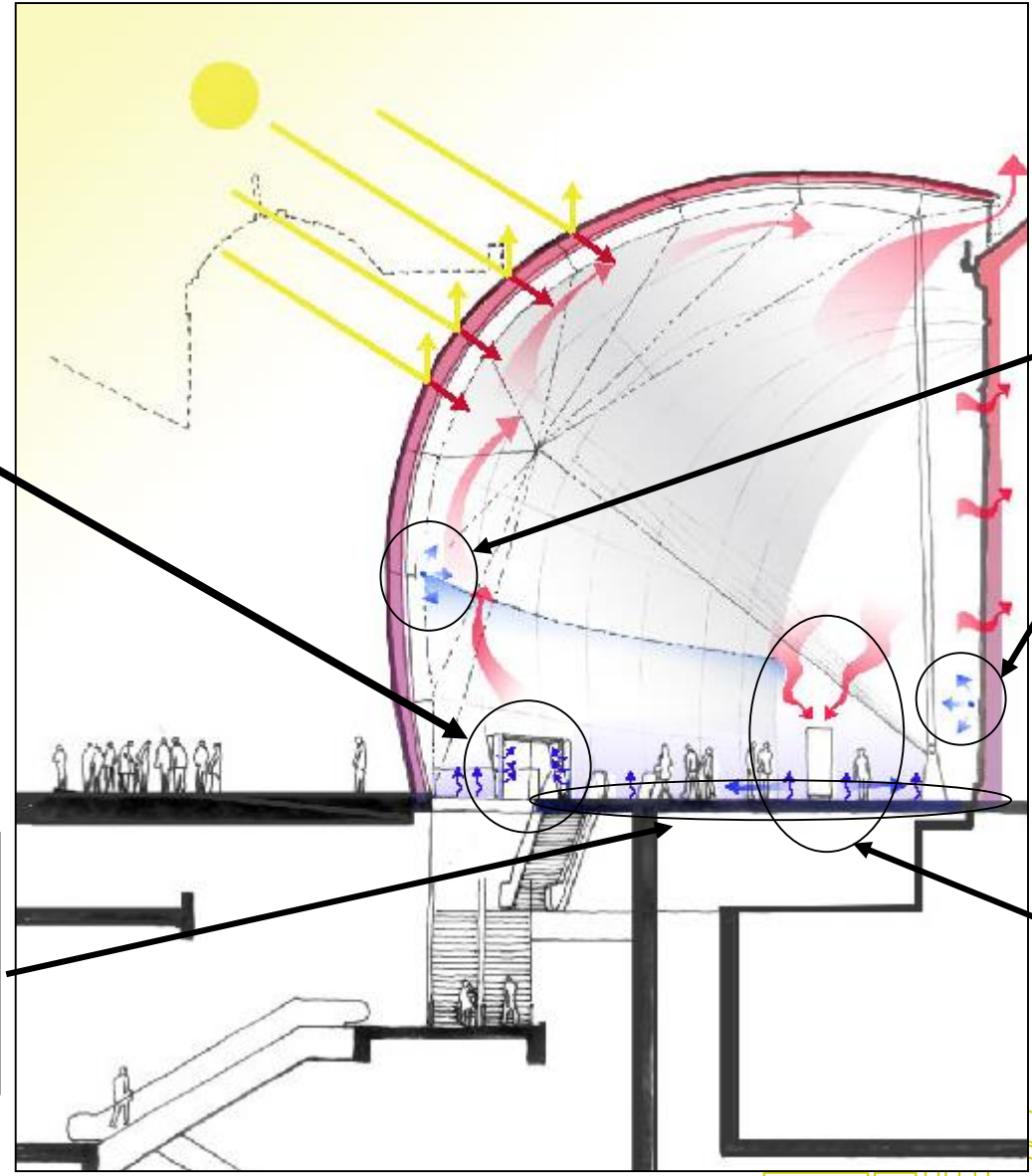




Strasbourg station



Confort Thermique d'été



Confort Thermique d'hiver

