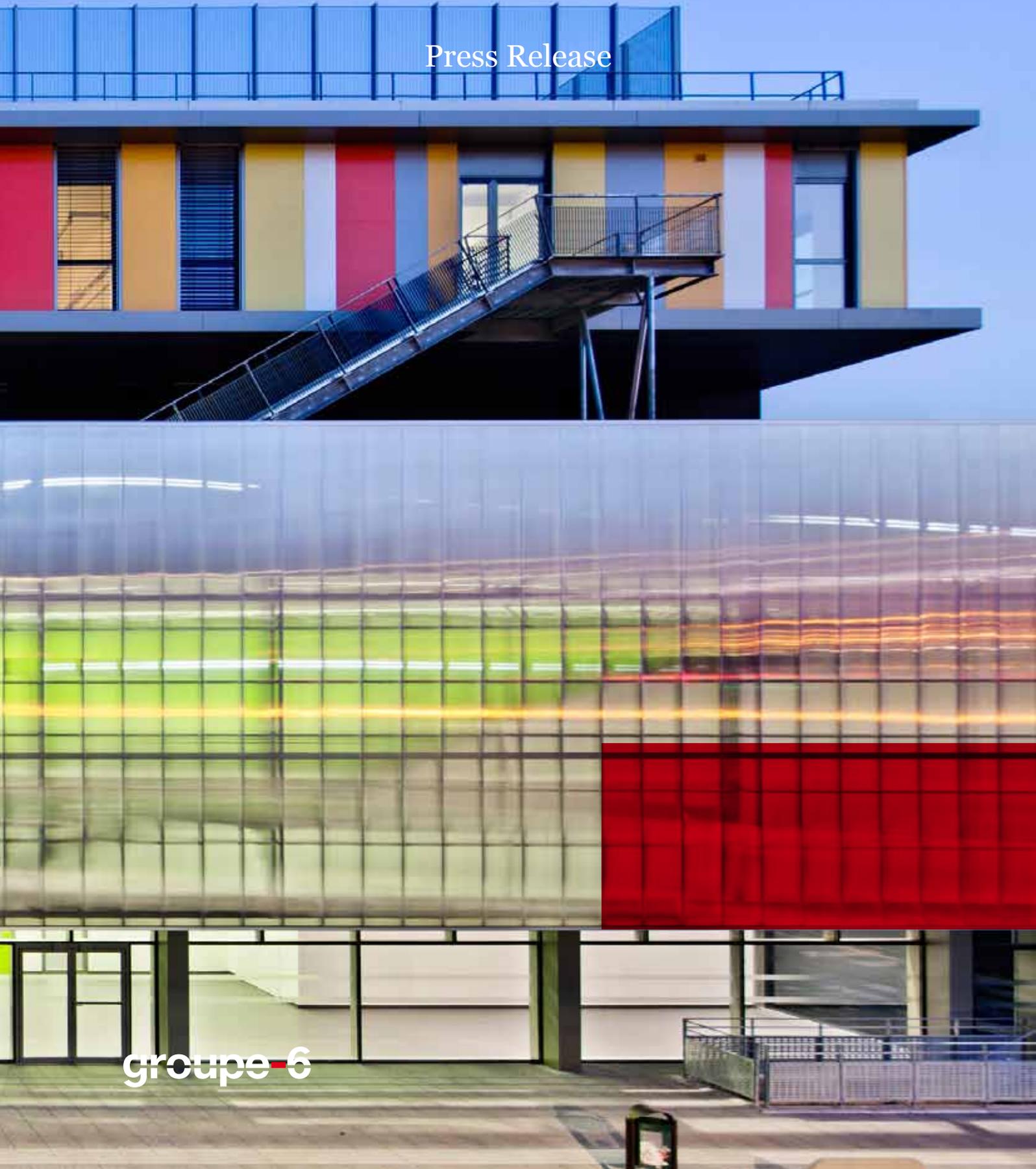


Évry-Corbeil-Essonnes, France / 2011

CHSF Regional Hospital

Press Release



groupe 6

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Located between the towns of Evry and Corbeil-Essonnes, 40 kilometres from Paris, CHSF Regional Hospital brings together on a single site the activities of Evry Hospital, Corbeil-Essonnes Hospital and four local psychiatric units. With 1,017 beds and places on six levels and plans for 3,500 medical staff, the new medical facility serves a catchment area of 600,000 people.

The CHSF is the emblem of the 2012 Hospital Plan and France's biggest Public Private Partnership (PPP) for a hospital complex. Optimised to remain within strict limits in terms of cost and lead times and after a period for the works that was reduced to three and a half years, the CHSF was delivered in January 2011.

Kinetic architecture, the contrast between two scales of perception

The CHSF, located between two major roads, the N7 and the A104, features linear and kinetic architecture.

Its long southern façade follows the A104, which underscores the imposing and horizontal nature of the building. This closed façade, with easily identifiable alternating pattern of coloured composite panels, forms a protective acoustic barrier against the noise produced by the road and protects the interior patios and the technical areas of the hospital.

In contrast, to the north, the accommodation wing of the building is located in the peaceful surroundings of a wooded park. Located near residential areas with single-family homes and apartment blocks, its indented architecture helps to undermine the impression of a massive block and lends it a domestic air. It is wide open to the foliage of an urban park close to the accommodation units, overlooking an esplanade that breaks up the site and around which are disposed the entrance hall and the various reception areas of the establishment. With its green terraces and hospital rooms that open onto the urban park, it is the landscape that penetrates the hospital buildings.

The site, long, narrow and built on a steep slope with a ten metre difference in level, has a considerable influence on the architecture of the CHSF, which is layered into the slope to create ground floor entrances on each of the three levels.

To integrate it as gently as possible into the sloping site, the underground car park has been positioned next to the main building, thus minimising its impact on the site as a whole. Its green roof forms a fifth façade, contiguous to the urban park.

The separation between the two entities saved time during the works, since work could be done on both elements at the same time with no risk of interference.

The sheer scale meant working on four sites at the same time

Four entities, built at the same time, make up the overall project:

1. To the north, near the garden, the main car park with 2,520 spaces (2,030 underground and 490 at ground level),
2. In the centre, the main building houses the four medical facilities; women and children's, general surgery and orthopaedics, medicine, cardiology and neurology and oncology and the A&E unit,
3. To the south, near the dual carriageway, an independent building houses the operating theatres, intensive care, laboratories and nuclear medicine. This block is linked directly to the main building by walkways,
4. To the east, the logistical and technical platform (recycling, electricity production and the heating system).

Layered architecture and indented volumes to facilitate traffic

The CHSF is an imposing 270 metres long and 120 metres wide, with a compact, modular, layered structure. Horizontal lines emphasise its superimposed strata, which are organised around large interior courtyards creating transparency and allowing natural light to filter in. Foundations on three levels, housing the technical medical facilities and services and logistics areas, are integrated into the steep slope and provide ground floor access. A transparent intermediate level, set back from the rest, houses the tertiary unit, functional rehabilitation and psychiatry. Finally, two upper levels house 28 treatment units organised into four clusters, whose distinct volumes give shape to this linear building. All the levels of the project are crossed east to west by a central spine that caters to traffic. The vertical stratification of the different functions and the linear structure of the units are visible in the volumes and minimise distances while facilitating users' orientation.

Reassuring by its scale and yet audacious in its expression, the architecture plays a role guiding visitors as soon as they enter the site:

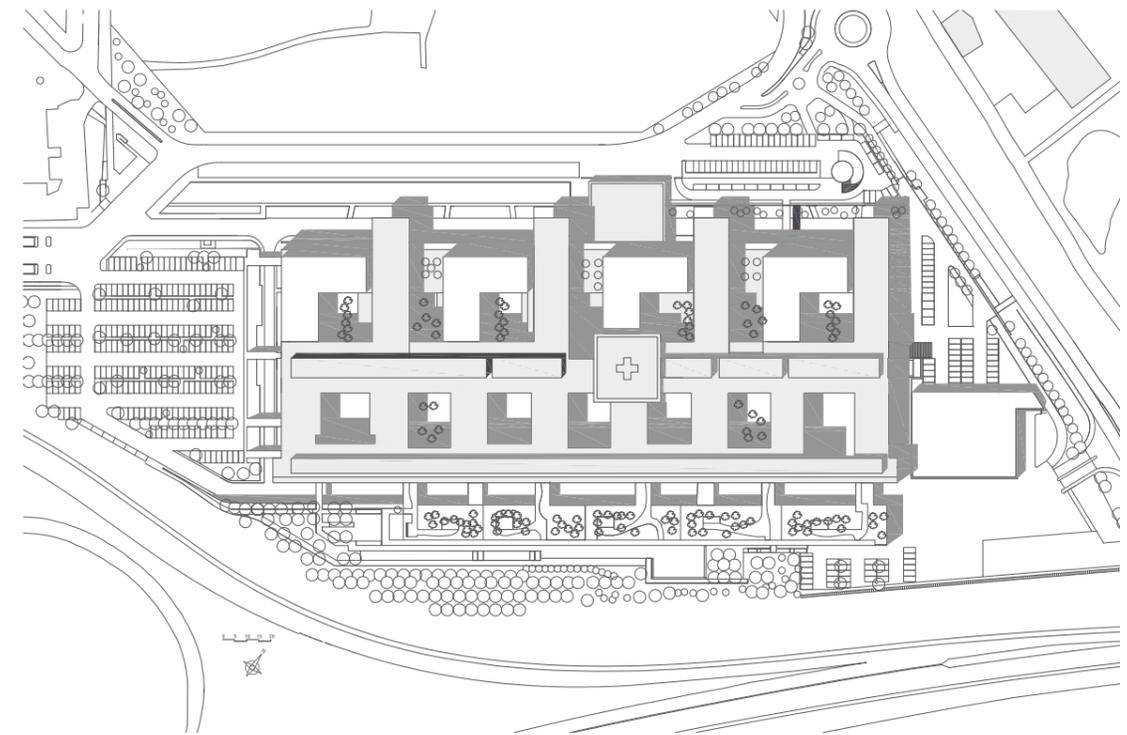
- the entrances of the four “therapeutic clinics” are emphasised by overhanging the façade that provides general access,
- ambulance crews cannot mistake the volume of the entrance to A&E.

The first hospital complex to be HEQ (High Environmental Quality) certified

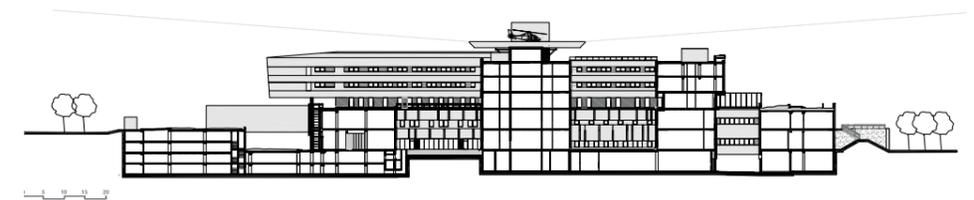
The primary objective of the architects was to make the users of this major medical facility feel comfortable and at ease, to make the building understandable, accessible and welcoming. They also aimed to minimise the impact of the project on its surroundings, making it ecologically sustainable and energy efficient.

In 2008, the new CHSF became the first hospital complex to be HEQ (High Environmental Quality) certified, on the grounds of its integration into the site, its energy efficiency and its upgradability. From the design phase onwards, the architects sought to adopt sustainable and energy efficient solutions (external insulation, Eternit coatings, the most favourable orientation for sunlight and custom sun protection, especially to the west with the choice of long lasting and natural materials) and a biomass-based (wood) heating system that produces 80 % of the heating needed.

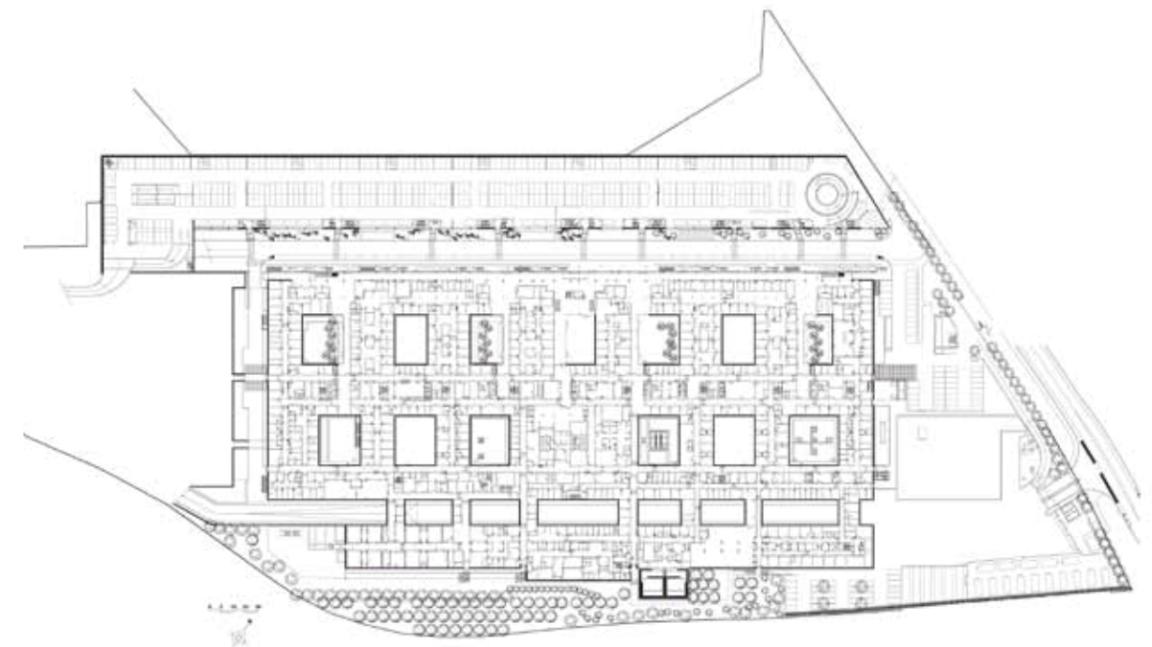
The CHSF also has an upgradable structure thanks to an original layout, which is designed to be flexible so it can adapt to technological and economic developments and progress in medical practices. It makes it possible to share areas with the same function by pairing functional units from the same family in order to make capacity transferable from one department to another ; the departments that are likely to change are placed at the front of the buildings (south, east and west) or on the patio. Moreover, easy construction / dismantling of the interior partitions has been planned in order to facilitate internally driven changes.



Site plan



Nord-South section

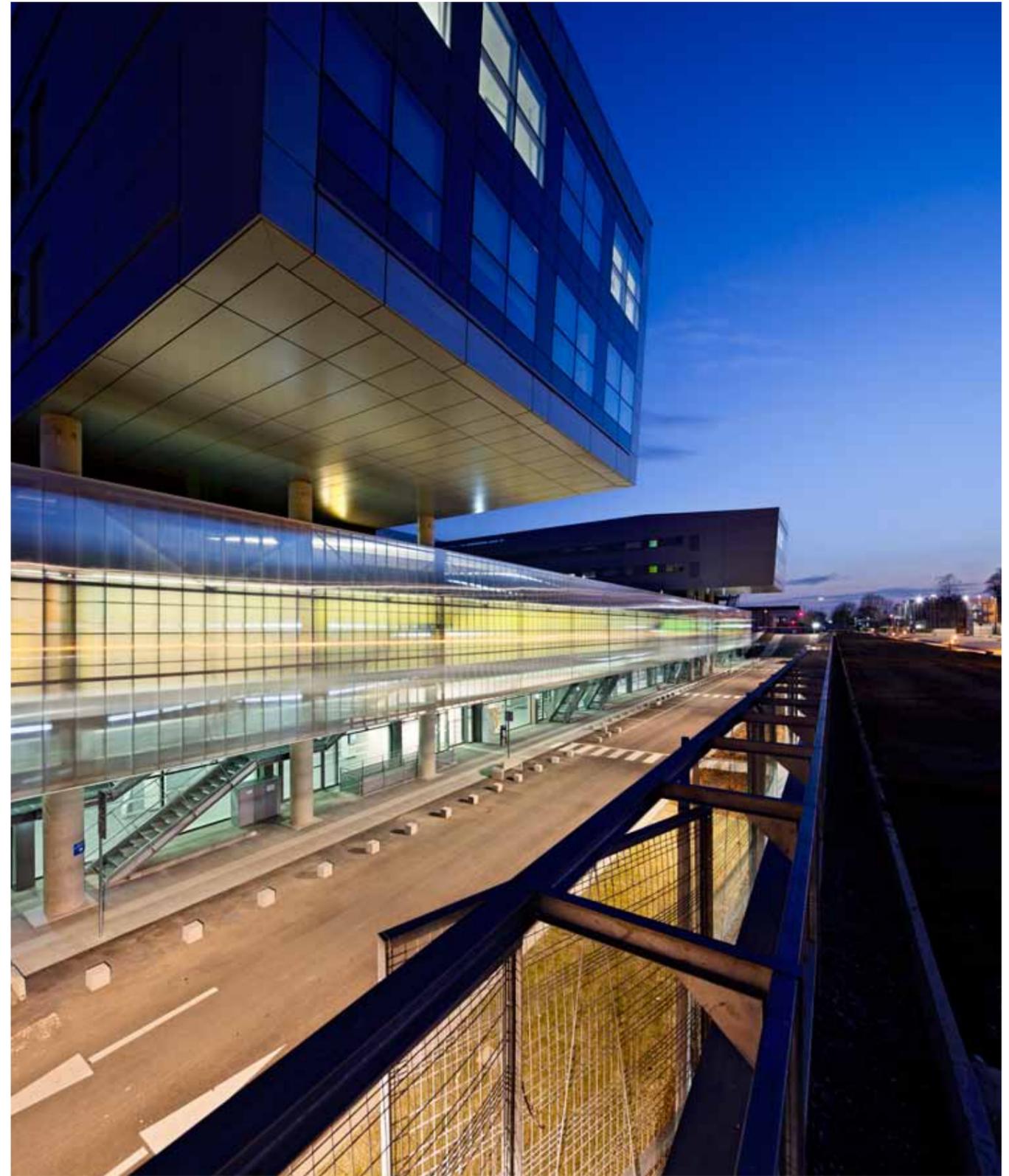


Ground floor plan



The entrances to the “therapeutic clinics” are accessible from the esplanade and emphasised by the overhanging volumes.

With the choice of distinctive colours and materials, the CHSF has a resolutely contemporary image.



Identifiable rhythms and volumes facilitate identification and orientation.



In the North, the SF Regional Hospital opens on an urban parc, and offers a less impressive vision.

Informations

Type of project : Hospital Complex

Address : 2 Avenue Strathkelvin, 91100 Corbeil-Essonnes, Rue Pierre Fontaine, 91000 Evry

Selection method : Public Private Partnership (PPP) in the form of an Emphyteutic Hospital Lease (BEH) between the CHSF and Héveil (a subsidiary of Eiffage)

Client : Héveil

Design and Construction Team :

Agent : Eiffage Construction Sud Francilien

Lead Consultant: Groupe-6 architects (Franck Lavigne), Forclum, Sanesco

Landscape architect : Laurence Jouhaud

Surface area : SDO 113 500 m²

Total capacity : 1,017 beds and places, 21 operating theatres (13 in the technical block and 8 ambulatory), 37 hospitalisation units, 130 consulting rooms

Timetable : notification, 13 April 2006 / signature, 10 July 2006 /

Delivery, 17 January 2011

Certified NF Bâtiments Tertiaires- démarche HQE 2008 (French Standard for Tertiary Buildings)

Photographs: © Luc Boegly

Groupe-6, a team of architects covering a range of disciplines

France's 3rd leading architectural agency, with some 180 employees from 15 different nationalities, Groupe-6 is a multi-disciplinary structure made up of architects, urban planners, interior designers, landscape designers and economists.

For 30 years now, Groupe-6 has been designing complex, large-scale projects that fall in line with their flawless aesthetic approach and optimal functionality, keeping within the budget and deadlines given.

Groupe-6 is a flexible, multi-disciplinary architectural agency, which can adapt to the wide range of requests it receives from its clients and contractors. It has expertise in sectors of activity ranging from business-related urban planning, hospital design, new technologies, research and education, sport and leisure, culture, and finally, urban planning.

In the interests of its client and the end project, Groupe-6 ensures it works with the world's best specialists and opens its teams up to expertise from outside the agency, in the areas of engineering, landscaping, stage design, lighting, acoustics, and more. The agency's teams are run by experienced project leaders able to tackle complex and demanding programs.

Groupe-6 is committed to designing projects that respond to the issues of sustainable development and eco-responsibility. The agency pays particular attention to the quality and sustainability of its architecture and, with respect to its constructions, takes a preventive approach to the ecological and energy-related issues.

For over 10 years, Groupe-6 has been working overseas, accompanying its clients in their real estates ventures and exporting its savoir-faire. Already involved in projects in Europe, the Ukraine, the Middle-East and the Magreb, Groupe-6 competes in the most dynamic geographical areas.

Certified ISO 9001 in 2009, Groupe-6 aims for excellence in what it does, focusing in particular on four key values :

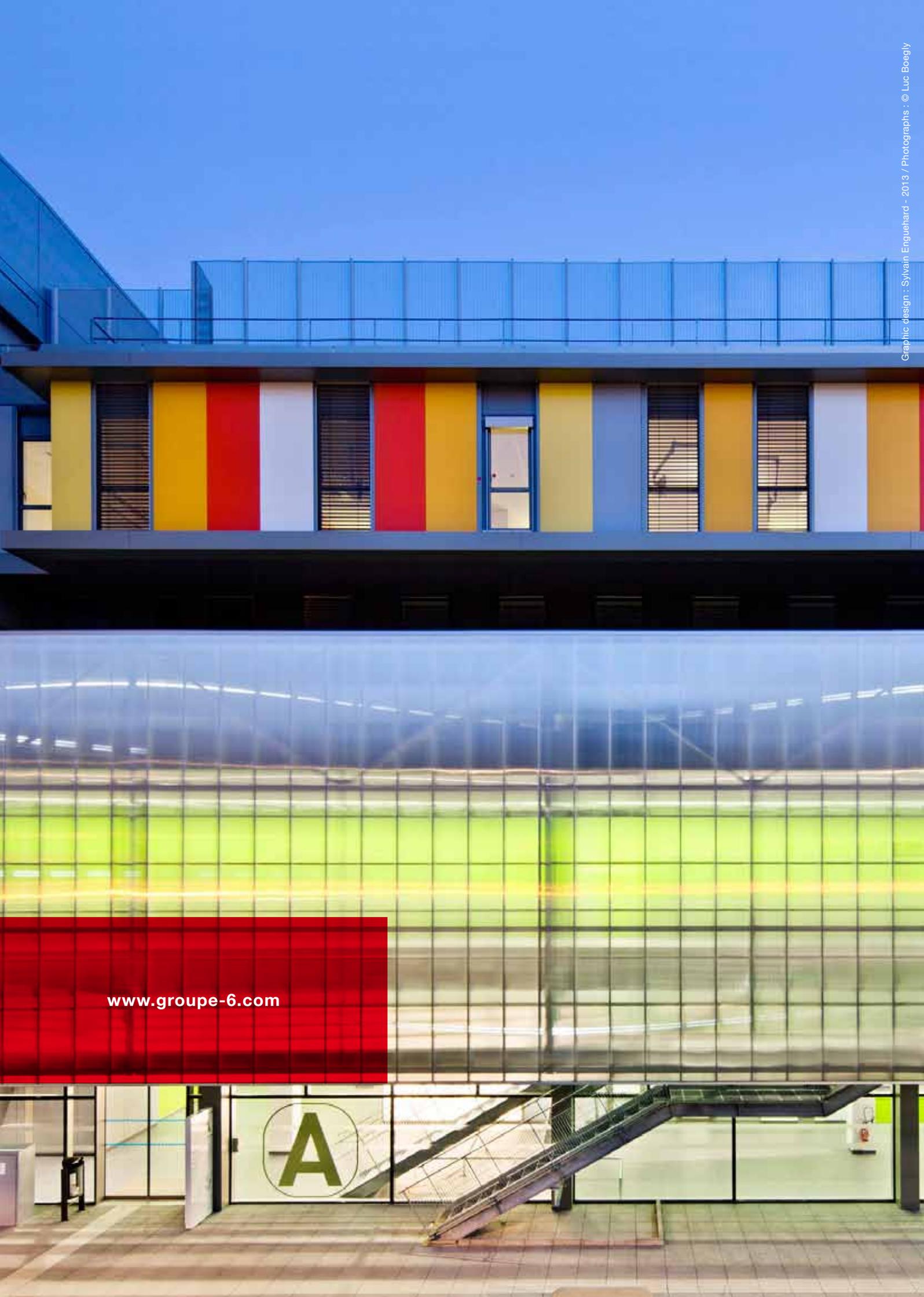
- Consider its clients as real partners, offering permanent, trusting and constructive dialogue about their projects. Respect, attentiveness and dedication are all highly valued by the agency.
- Invest in bold projects that push the agency to be creative, thorough and practical. Groupe-6 values its clients projects, giving them a privileged place among its concerns.
- Ensure a collective mode of operating, striking the right balance between innovation, consultation, methodology, and decision-making priorities.
- Provide clients with architectural solutions that offer the best compromise between functional requirements, flexibility and sustainability: essential conditions for the quality and durability of its projects.

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