

Nantes' New Hospital

Management and organisation of a large-scale project in the center of Nantes.

CLIENT

Nantes University Hospital

TEAM

Patriarche (Contractor - Architect - VISA/DET/AOR/SYN/BIM Architectural Lots, Economy-Architectural lots)

Autumn | Patriarche (Project Management)

Co-contractors :

EDEIS (Engineering TCE - VISA/DET/AOR Technical Lots) Builders&Partners (DET/AOR/SYN/BIM)

Project management: Art&Build, Pargade Architects

Photos : ©JGazeau

KEYPOINTS

Coherence and legibility.

A hospital open to the city.

High technology.

1436 beds.

Research Institute.

Training center.

SUSTAINABILITY

Ecological and bio-sourced materials.

Controlled natural lighting.

Green building site.

Local companies.

In September 2013, the Nantes University Hospital launched a design competition for the construction of its new hospital. In 2014, the design team was selected (Art and Build Architects, Pargade Architecte, Artelia, Signes Paysages), and as the start of construction approached in autumn 2021, the team was no longer able to carry out the project and the CHU launched a new call for tenders to ensure the project management of execution.

With our experience in this type of context, where we must forcefully integrate a project that we did not design, and demonstrate immense pragmatism and a sense of perspective on all the problems encountered, we responded and were named the winners.

Since Patriarche did not participate in the project management competition at the time, and is not a stakeholder today with the Nantes University Hospital, we approach this role with humility in order to continue the project while respecting the initial design and without reinventing it.

Our bias is to build without changing, not to upset the choices already made, but to be a force of proposal, especially for the control of the project economy and the respect of the schedule.

We integrate all the disciplines necessary for the emergence of solutions that are increasingly conscious, responsible and anchored in the long term. The design studies, completed and excellent, are the common base of all its new actors that are the master of execution and the builders.



Typology
Health, Education

GFA
240 000 m²

Construction cost
700 M€

Location
Nantes, France

Status
In process

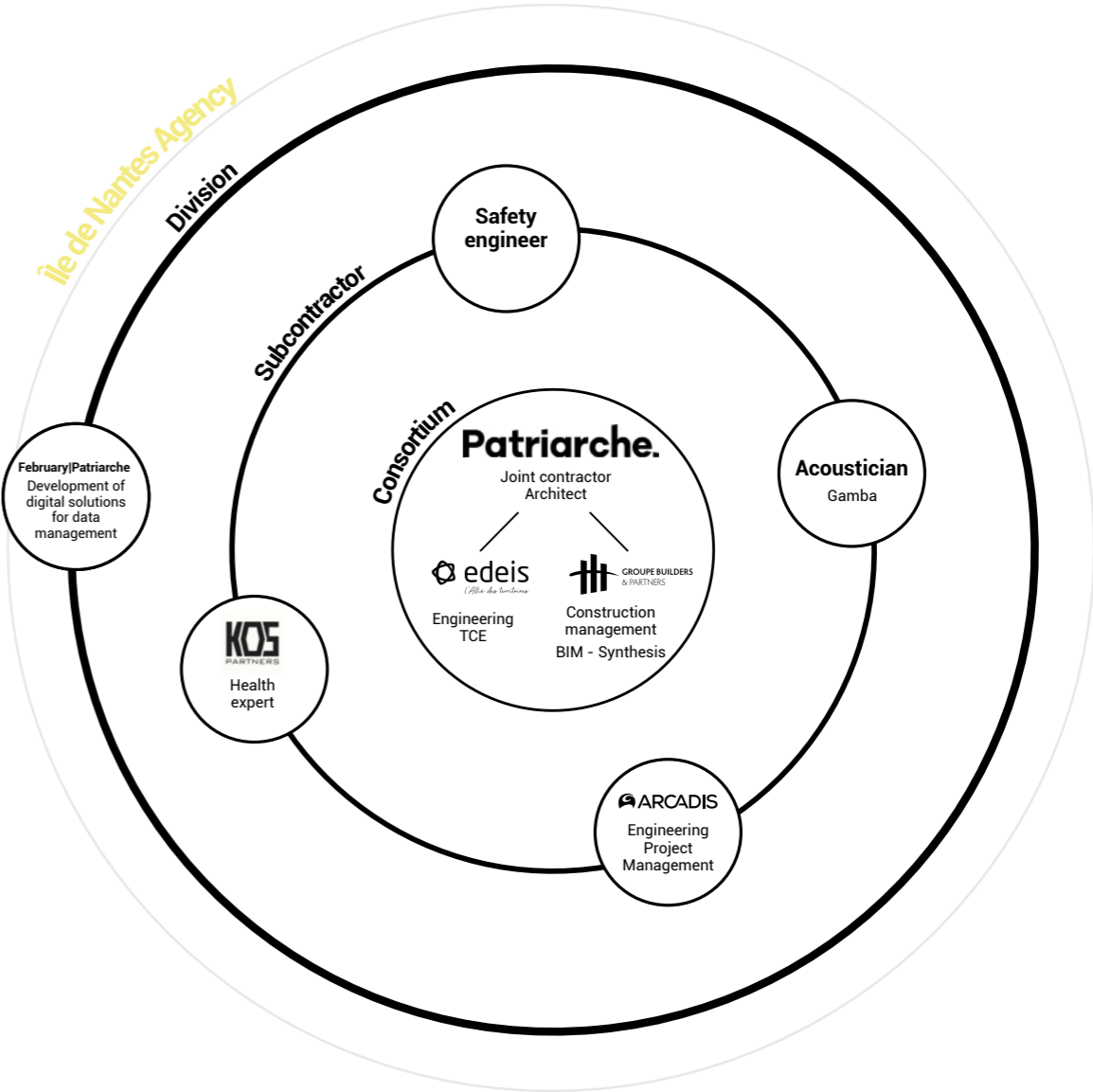
Project delivery
Public Sector

A team up to the challenge

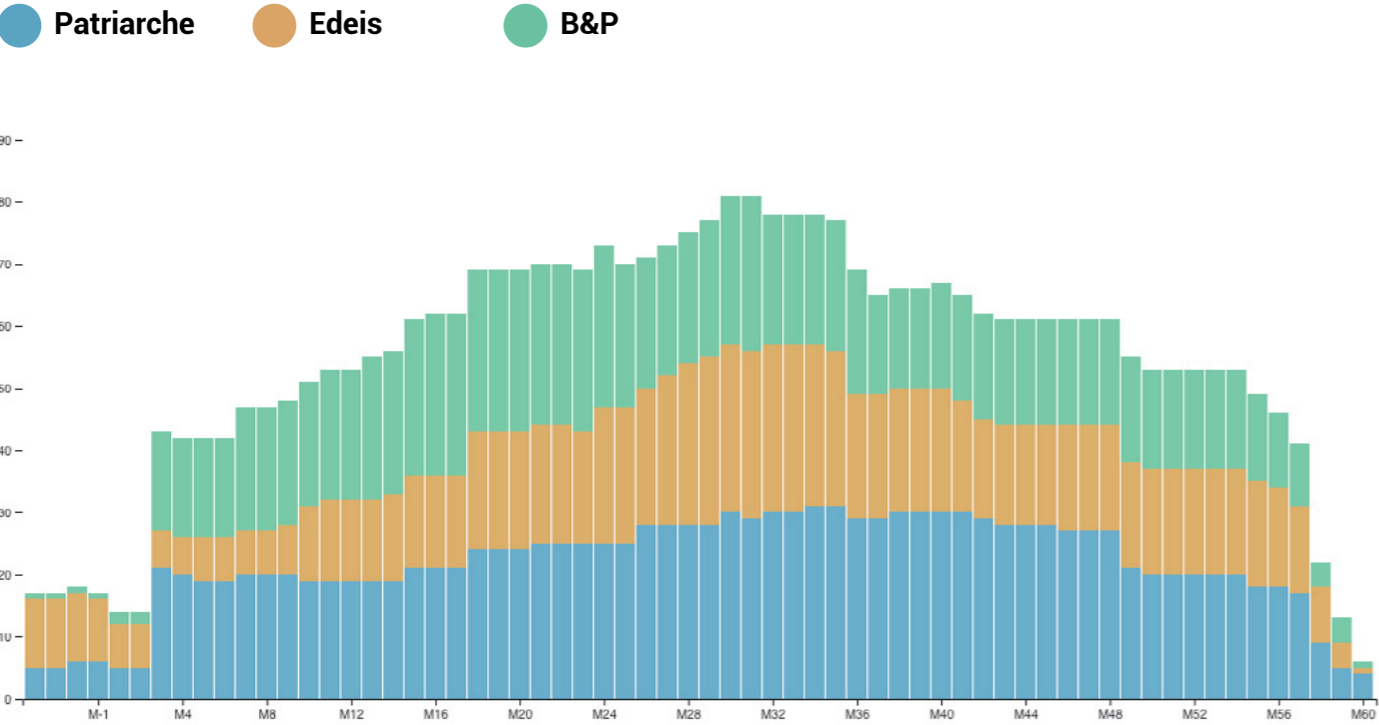
The consortium, whose joint and several representative is Patriarche, has decided to assemble a team of more than 80 full-time employees to carry out the work on this university hospital.

This team has therefore committed its best resources to deliver the Nantes University Hospital on schedule and, above all, on budget. Patriarche major asset is that it has qualified engineers and economists with a thorough knowledge of hospital projects to ensure that the project is delivered in accordance with the client's objectives.

- The challenges of this team are clear:
- To provide a physical presence on a daily basis in order to build a relationship of trust with the project owner and the contractors throughout the construction period. -To provide precise expertise, the essence of which lies in the complementary skills of each member of the group.
 - To be available and meet the client's expectations by being a force of proposal to build a university hospital that will respect the architectural prescriptions.
 - To be aware, each day, with pragmatism, modesty and realism, of the magnitude of the stakes of this university hospital which will have to be an example in terms of functionality, constructive system and use.



Number of employees per co-contractor



At the heart of the site, a full-fledged agency has been set up, bringing together our teams of architects and engineers. They are responsible for the day-to-day management and execution of the project.

Nearly 110 people are working on the project, in addition to 575 journeymen and around 100 people from the management teams of the general contractors companies (Vinci, NGE Bâtiment, and Legendre-EGT-PO-GCC consortium).

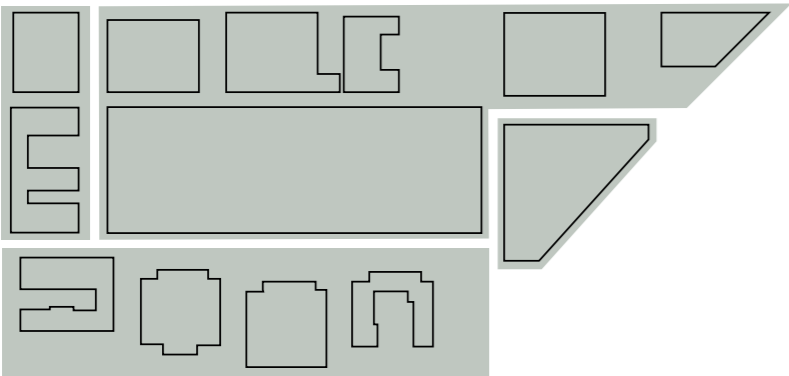
At the peak of the project, more than 1,200 people from all trades will be on site, ready to deliver the new hospital in early 2027.

An exceptional hospital district capable of meeting new challenges in healthcare, research and teaching.

100 architects and engineers
dedicated to project
management

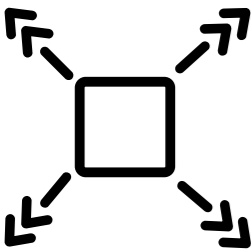
1 200

contributors of all trades
at the peak of works.



13 Buildings

The construction of a city
within a city, with 13 buildings
divided into 4 blocks for
a single site.



220 000 m²

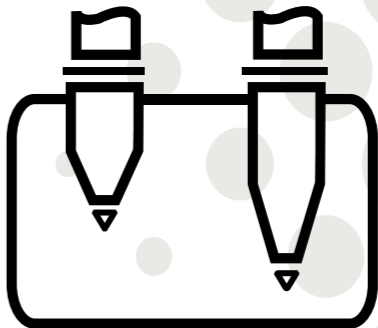
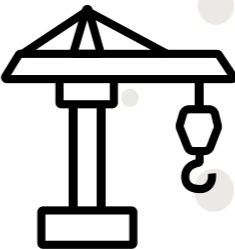
220,000 m² on 10 hectares of land, the
equivalent 14 soccer pitches.

350 000 m³
of soil removed

Of which 97% was recycled as building materials or
for market gardening. The "hole" thus dug = approx.
100 Olympic-sized swimming pools.

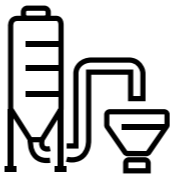
97%
Valued

15
Cranes



2 500
Piles

More than 2,500 piles
to be driven at depths
between 15 and 28
metres.



Low-carbon

Low-carbon concrete
plant on site.





Nantes University Hospital

Typology	Construction cost	Status
Health, Education	700 M€	In process
GFA	Location	Project delivery
240 000 m²	Nantes, France	Private

2013	2014	2019-2021	END 2021	2022 - 2027	2027
Launch of the competition.	Designation of the winners: team Art and Build Architects, Pargade Architect, Artelia, Signes Paysages.	Permit to build, final design and consultation of companies.	Patriarche is selected to begin construction.	Construction work.	Provisional delivery.