



## COMPETITION RULES

### « *Design or renovate a local healthcare facility in Africa* »

This competition was born from the desire to encourage, stimulate and reward the creativity and inventiveness of current and future talents in architecture, urban planning, civil engineering. Through this competition, AFRIKArchi association aims to give students and young professionals opportunities to discover and appreciate architectural and technical possibilities, to cultivate inspiration and creativity. It also seeks to spread a positive and dynamic image of the use of local African materials in construction, and to encourage consideration of sustainable development issues.

#### 1- REGISTRATION DETAILS

The competition is free and open to students enrolled in schools or universities of architecture, urban planning or engineers (and related fields) for academic year 2019-2020, African or not. It's also open to young professionals under the age of 35. In all cases, during registration process, participants are asked to provide appropriate documents (copy of student card, school certificate, diploma or any other supporting document).

Participants can take part to the competition alone or by team of up to four (04) members.

All teams will choose a team leader. Participants of non-African nationality can also take part to the competition provided that at least one member of the team is African or of African origin.

The competition entries submitted by students can be connected or not with current academic programs.

Each team leader will proceed to registration on dedicated website :

[www.archingenieurafrique.com](http://www.archingenieurafrique.com).

After online registration, team leader will receive an automatically generated team ID. This ID number has to be on all submission materials and always indicated through any mails or contact file.

**Names or personal datas, as well as school or agency name should not appear on any submission materials. Only team number issued during registration process will appear on submission materials.**

**There is only one ID number available by team and it is not an individual ID.**

## **2 – BRIEF**

**Topic: “Design or renovate a local healthcare facility in Africa “.**

Following the four previous editions, respectively about collective housing, markets, public space and primary school, participants are invited to develop an architectural and urban project around a local **healthcare facility**.

This topic should allow the design of spaces for **active neighborhood life, connections, and social links**. One of its goals is also to open the field of reflection on a variety of urban situations and scales conducive to a large diversity of interventions.

Proposals are expected to take into account **technical aspects related to hygiene** and related to healthcare facilities, but also the **uses of space, flows management, atmosphere monitoring, comfort, presence of vegetals, relation to the street, surrounding buildings and the landscape**.

Participants are therefore invited to design or renovate **a small or mid-sized facility** ranging from **community healthcare center composed by several healthcare professionals to larger clinics allowing hospitalization of patients**.

### ***A local healthcare facility***

Designing a healthcare facility is potentially a complex exercise because it addresses society challenges on a global scale. A healthcare facility has a double mission, sanitarian and social that current evolutions (demography, climate ...) lead to reconsider.

Considering sanitarian and medical aspects, the epidemiological transition and the rise of chronic illnesses shows the need for renewal in healthcare services to cater to longterm

illnesses (diabetis...) and involve patients in the management of their illness. The increase in life expectancy and the decrease of mortality also have an impact on medical monitoring and come along with the rise of aging-related illnesses.

Evolving lifestyles that are more and more urban, eating habits or even indirect climate change effects on people's lives are contributing to the development of new public health issues.

Considering these transformations, changes in patients care systems thanks to new protocols, advancement in medical and ambulatory surgery and predictive medicine, the use of digital technologies and the rapid expansion of e-health bring new perspective in prevention, care and follow-up of patients.

Moreover, non-access to healthcare services, lack of information, the need for specific follow-up care for some patients beyond health issues, changes in patients expectations, and also patients' environment and family, are creating the need to rethink healthcare facility through its social dimension.

### **3 – LOCATION**

Each team will choose the project site in the locality, region or country of their choice. This site must be in Africa.

**This choice should be explained and justified by comments and insertion photomontages.**

The production of an explanatory text (1 pageA4 minimum) is required to justify the choice of the project site.

### **4 – PROGRAM**

#### **The issues**

To address these issues on the African continent is a prospective exercise. Facing huge disparities in situations from one country to another and even within the same country, from hyper-urbanization to extreme rurality, health is a crucial topic everywhere, urgent and complex, dominated by some specific issues:

- Access to healthcare services is a major concern. How does healthcare come to the patient if the patient cannot go to a healthcare facility to be taken care of?
- Awareness and people's education;
- Involving patients in their medical care process;
- E-Health and the development of new medical care systems as alternatives to a classic healthcare facility;
- Availability of high-quality local healthcare services.

#### **Project's goals**

In regards of such contexts combining multiple issues, to conceive a healthcare facility is possible without necessarily embarking on the design of a highly specialized structure involving complex functional and technical programming as well as mastery of all medical processes.

Showing interest in primary contacts between population and medical environment while thinking about the activities, roles, missions of a local facility that brings together healthcare and social considerations is more than necessary and within the reach of any architect.

**The project must combine sanitarian and social considerations together by taking into account the medical aspects as much as the people who will benefit from the facility.**

The very notion of « local healthcare facility » refers to multiple contents that can be tackled throughout each one of the terms local, healthcare and facility. From conventional local dispensaries to remotely connected medical cabin, everything is to be invented, while putting the beneficiary people first.

### **Functional orientations**

The project can refer to a specific health issue, a specific context (geographic remoteness, etc.), a specific population (mother and child...), or the project can refer to more global topics such as prevention or primary care. It can address the social aspects of the mission (information, prevention, awareness, support...), expand on health education, training courses...

The local/community aspect can be approached and translated through architectural design. Is the healthcare facility a necessary crossing point? Are there alternatives?

### **Technical Orientations**

On a technical level, the project can elaborate on propositions related to renewable energies, energy self-sufficiency solutions in environments lacking the basic requirements of a healthcare facility. In an approach to environmental responsibility and integration, materials choice, in harmony with the context, suitable construction techniques can be considered. A sense of excellence on these topics is expected as they relate to medical and healthcare professions as well as populations' wellbeing.

### **Architectural Orientations**

Beyond form and function, a space dedicated to healthcare is synonym to hospitality values, sharing and humanity. The project needs to reflect these values through its architectural choices. Furthermore, accessibility to the facility for everyone (children, elders, disabled) needs to be considered.

The space can be designed for temporary use, or as a more permanent space. Whether it is reversibility and adaptability over time for other uses, the choice of renovating an existing space or imagining either a removable structure or a mobile structure, a sustainable and responsible approach should be developed to minimize the impact of creating this facility on its immediate environment.

## **Spatial Program**

As an indication, following functions and sizes can be considered for the design of the facility:

- Front desk / reception (lobby, shop, cafeteria ...): 120m<sup>2</sup>
- Administration (secretariat, management, staff spaces ...): 180m<sup>2</sup>
- Consultations (consulting spaces, common areas ...): 350m<sup>2</sup>
- Radiology (reception, echography, radiology ...): 200m<sup>2</sup>
- Medical laboratory: 100m<sup>2</sup>
- Technical areas: 50m<sup>2</sup>

## **5 – MATERIALS**

Participants must send all files via dedicated registration online platform:

[www.archingenieurafrique.com](http://www.archingenieurafrique.com).

All materials required for submission are listed below and will also be available on the website.

- two (02) A1 boards, horizontal layout ( $h = 841\text{ mm}$  ;  $l = 594\text{ mm}$ ) in pdf format
- all documents, graphics and images presented on boards, in jpg format
- a synthetic text presenting the project, including justification of site
- a copy (or scan) of student card, school certificate, or diploma, with official school, university stamp, or document issued by a professional agency.

All texts should be written in French or in English.

### **Details of graphic materials:**

#### **Board 1**

- Project title
- Location plan at a significant scale (the choice is up to the participants), allowing to appreciate the surroundings and the urban context as a whole.
- Plan showing overall view of facility and surrounding site at 1 : 500 scale (or any relevant scale for full appreciation).
- Perspectives views of the project, interior or outdoor spaces, showing spatial quality and structural qualities.
- Analytical diagrams or sketches that illustrate the driving lines of the project.
- Presentation text (300 to 500 words) explaining key features of architectural and urban design.

#### **Board 2**

- Ground Floor plan at 1:100 scale (or relevant scale) showing surroundings.
- All levels plans at 1:100 scale (or relevant scale) showing internal organization and traffic flow management.
- Cross sections at 1:100 scale (or relevant scale).

- Main facades at 1:100 scale (or relevant scale), showing materials.
- Axonometric view of project, showing surroundings.
- Constructive principles details at 1:20 scale (or relevant scale).

*NB: Layouts cannot contain any name of team members but only the team ID number.*

**Material submission deadline: July 31st 2020.**

International and multidisciplinary jury summoning is set for second semester 2020, as well as the announcement and promotion of winning prizes.

If budget allows it, an award ceremony will be organized in a city in Africa. Exact location will be determined following the official results announcement.

Also, depending on sufficient funding, part of the winning project or its entirety could be carried out for realization, after technical and financial development with the winning team.

## **6 – ASSESSMENT CRITERIA**

The jury will take the following elements into particular consideration, without this list assuming an order of consideration:

- Compliance with program and submission materials requirements,
- Quality of project's integration into urban and landscape context,
- Relevant use of local materials and valorization,
- Constructive feasibility under realistic financial conditions,
- Originality and innovation of the concept,
- Budgetary approach, with a view to possible realization of the project,
- Quality of materials and layouts.

## **7 – JURY AND PRIZES**

The entries will be examined by an international and multidisciplinary jury, composed of architects, town planners, engineers, sociologists, representatives from the field of medicine / health, etc.

Complete list of jury members will be announced publicly before registration close.

Following jury evaluation, 3 winning teams will be selected and several other teams will be listed for an international exhibition. Mentions could also be awarded to deserving projects.

The official results will be announced in October 2020 on our website, our Facebook page and on our partners media well. Prize Winners will be directly contacted by us, via mail or phone call.

Winning prizes projects will be displayed on our communication platforms, and some selected projects may be published. One member of each winning team will be invited to take part to the award ceremony to be held, if budget allows, in Africa.

### **Prizes:**

- 1st prize: 2 000 €
- 2nd prize: 1 500 €
- 3rd prize: 1 000 €

## **8 – DOCUMENTATION**

For any further enquiries and documentation, please check our platforms:

- [www.afrikarchi.com](http://www.afrikarchi.com)
- [www.magazine.afrikarchi.com](http://www.magazine.afrikarchi.com)
- [www.afrikarchi.com/afrikarchinetwork](http://www.afrikarchi.com/afrikarchinetwork)
- [www.facebook.com/AFRIKArchi](https://www.facebook.com/AFRIKArchi)
- [www.afrikarchi.blogspot.fr](http://www.afrikarchi.blogspot.fr)

For any questions or informations on the competition, you can also send us an email: [concours@afrikarchi.com](mailto:concours@afrikarchi.com), or on our Facebook page.

## **9 - CALENDAR**

- **Registrations and submissions : no later than july 31st 2020 at 11:59 PM** online: [www.archingenieurafrigue.com](http://www.archingenieurafrigue.com)
- **Jury summoning: September 2020**
- **Results announcement: October 2020**
- **Awards ceremony and exhibition: end 2020.**

## **10 – COPYRIGHTS AND PROJECTS PUBLISHING**

Participants agree to transfer all intellectual property rights to their project to AFRIKArchi. This transfer includes the rights on images, the right to use, reproduce and distribute the project on any type of media available. This transfer is without geographic limit and for the entire duration of the intellectual property rights.

AFRIKArchi acquires, in particular, the exclusive right of first publication and public presentation of any projects submitted. Any publication made before the official publication will result in the outright cancellation of the responsible team.