

AFRIKARCHI

DESIGN COMPETITION

Local healthcare facility
in Africa



COMPETITION BRIEF

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In partnership with:



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ARCHIGINEER AFRICA COMPETITION, A PROJECT BY AFRIKARCHI

Presentation

ArchiGineer Africa competition is born from the will to support and amplify the teaching of Architecture, Urbanism, Civil Engineering, Design and Landscape in Africa. It aims to contribute in showcasing positive images of locally sourced African materials used in construction; foster inspiration and creativity, and give designers the opportunity to explore the large potential of architectural and technical creation.

Launched in 2011, ArchiGineer Africa competition aims to encourage, stimulate and reward the creativity and inventiveness of today and tomorrow African talents. **In this regard, the competition targets young architects, urban planners and engineers from the continent. However, it remains open to all students enrolled in schools and universities outside the continent, as well as young professionals under 35 years of age who can associate with candidates of African descent and constitute teams of up to four candidates.**

Organized since day one in partnership with **Cité de l'Architecture et du Patrimoine - Palais de Chaillot** where the international jury members meet and deliberate, ArchiGineer Competition is now up to its fifth edition.

Each of four previous editions showed the growing interest and enthusiasm around this competition, both on the continent as well as in the Diaspora. Each edition averages nearly **1000 registered candidates** from **30 countries** around the world.

ArchiGineer Africa competition focuses on addressing **specific issues around cities on the African continent**. The 4 previous editions respectively covered following topics: Collective Housing (2011), Markets (2013), Public Space (2015) and Primary School (2017). In 2020, the fifth edition aims to explore the topic of **Health in Africa**.



"BAOBAB URBAIN" | 1st Prize ARCHIGINEER AFRICA 2011 international competition

2020 Competition topic: Health First!

According to World Health Organization (WHO), in 2013, **life expectancy in Africa was estimated to 58 years** whereas 71 years in average around the World.

2020 Topic :

“Design a local healthcare facility in urban African area.”

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**.



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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 (diabetes...) 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.

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.

Functionnal 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, ...):120m²
- Administration (secretariat, management, staff spaces, ...):180m²
- Consultations (consulting spaces, common areas, ...):350m²
- Radiology (reception, echography, radiology, ...):200m²
- Medical laboratory:100m²
- Technical areas:50m²

Program and organization

- OCTOBER 2019 : COMPETITION LAUNCH

Venue : Cité de l'Architecture et du Patrimoine - Palais de Chaillot, Paris.

In connection with the competition topic, a conference on "**Architecture and Health in Africa**" will be organized at the Architectural Creation Platform of Cité de l'Architecture et du Patrimoine. Attendants can register directly on dedicated site: www.citedelarchitecture.fr

- FEBRUARY 2020 : REGISTRATIONS OPENING

Participants register individually or by teams on dedicated site : www.archigenieurafrigue.com. All usefull informations to be found online.

- JULY 2020 : SUBMISSIONS ENDING

For submissions, each team will have to provide the following graphic pieces: site plan, floor plans, cross sections and elevations, perspectives, constructive details and any relevant document allowing a better understanding of the project.

Each proposal shall also be explained through a short typed text in which participants would justify their choices (location, project site, materials, ...).

For more information, please check rules on dedicated website : www.afrikarchi.com.

- SEPTEMBER 2020 : JURY

The Jury members will deliberate and three winning projects will be determined. Special mentions will also be awarded on appreciation of Jury members who will also select several projects for the international exhibition. The multidisciplinary Jury will be composed of architects, urban planners, engineers, sociologists and health issues experts.

The 3 winning teams will receive the following prizes:

- 1st Prize : 2 000€ / 2nd Prize : 1 500€ / 3rd Prize: 1 000€

Official results will be announced and published on AFRIKArch's website and different platforms, as well as in medias and with partners, schools and universities that would have relayed the competition.

A new conference that particularly showcases the winning projects will be organized at Cité de l'Architecture et du Patrimoine.

- END 2020: AWARDS

AFRIKArch is planning to host an award ceremony in Africa during last trimester of 2020. For this event where nominees, official sponsors and partner-schools will be invited as well as local authorities, the prizes for 2020 ARCHIGINEER AFRICA competition will be officially awarded. An exhibition of winning projects will be launched the same day.

- END 2020 : INTERNATIONAL EXHIBITION

The exhibition will start at the same period and will be showcased in different cities and countries across Africa and the world. The main goal of this touring exhibition is to **promote talents** internationally. In 2015, the touring exhibition was showcased in Paris, Tunis, Addis Abeba, Brussels, Lomé, Accra, Algiers, Kigali and also in India and Brazil.

Any locality, school or university that wishes to welcome this exhibition can contact us.



Revealing talents

A competition for development, with a focus on the use of locally sourced construction materials and sustainable development in Africa.

This competition was initiated to promote among young African designers excellency and quality, inspiration and creativity, innovation and exploration of numerous technical and architectural solutions through the use of local resources such as wood, earth, straw, etc.

To promote and highlight talents, selected projects for the international exhibition will be showcased on our website, blog, Facebook page and on all our media partners platforms.

The winning prize could be built, in partnership with the winning team and local authorities, under conditions of available fundings.

Throughout the exposure generated internationally, the competition is also a way to provide job opportunities, training and internships in universities, top-tier graduate schools, national and international companies.

The emphasis put on local materials and the respect of environment both aim to encourage participants to have better knowledge of existing materials in their own countries and to develop research on new technical and architectural possibilities.

In a more and more globalized world challenged with environmental, political, economic and demographic issues, Africa aspires to a FAST and SUSTAINABLE DEVELOPMENT.

This competition aims to significantly take part into it by reinforcing relationships based on sharing and friendship in order to help and bridge gaps between African countries and the rest of the world.



*Awarding ARCHIGINEER AFRICA 2015 1st Prize to winning team,
by Mr Mohamed Nabil Benabdallah,
Moroccan Minister of Housing and Politics of the City - Casablanca, MOROCCO*

Jury, Deliberation and Awards



*Deliberations of ARCHIGINEER AFRICA 2015 international competition
(Salle Eiffel, Palais de Chaillot, Cité de l'Architecture et du Patrimoine)*



*Awards Ceremony of ARCHIGINEER AFRICA 2015,
with Mr Mohamed Nabil Benabdallah,
Moroccan Minister of Housing and Politics of the City,
Rachid Andaloussi, Jury President and winning teams*

African Dynamics and international synergies

A reference for students and young professionals

ARCHIGINEER AFRICA competition has succeeded over the years since 2011 in gaining recognition as a reference and a highly anticipated event for all young architects, urban planners and engineers in African schools and universities. By promoting the creation of mixed and international teams, the competition aims to create and stimulate work dynamics between students and young professionals from all continents. The competition is for all participants an opportunity to gain professional and personal knowledge.

A reference for schools and universities from Africa and worldwide

This competition remains a great pride for schools and universities from which the laureates come from. It is possible to integrate the topic of the competition into academic programs.

The touring exhibition is also a means to provide international visibility to the schools from which participants come from. Eventually, it is also an opportunity given to these schools to promote their image and attractiveness across the continent and throughout the rest of the world.

A reference for companies

Given the multiple issues tackled by the competition and the large number of participants expected (**more than 1000 per edition**), each edition gives companies the opportunity to support the training of potential future collaborators.

The competition is also a powerful platform to display their brands to architects, urban planners, engineers, landscapers, other companies, thousands of participants and viewers around the world.



ARCHIGINEER AFRICA 2014 Exhibition - Lomé, TOGO

Competition Data

5th EDITION

+1000 PARTICIPANTS

+30 COUNTRIES REPRESENTED

Latest and 4th edition of the competition (2017) saw **more than 1000 students and young professionals participating, from 80 schools and coming from more than 30 countries.**

The expected attendance for 2020 is around 1500 students and professionals from more than 50 countries, with a significant number of African countries represented such as:

- | | |
|---------------------|--------------|
| - SOUTH AFRICA | - MOROCCO |
| - ALGERIA | - MAURITANIA |
| - BENIN | - NIGER |
| - BURKINA FASO | - NIGERIA |
| - CAMEROON | - UGANDA |
| - IVORY COAST | - DR CONGO |
| - DJIBOUTI | - RWANDA |
| - GHANA | - SENEGAL |
| - GUINEA | - TANZANIA |
| - EQUATORIAL GUINEA | - CHAD |
| - ETHIOPIA | - TOGO |
| - MALI | - TUNISIA |

Throwback on 2017 Edition Award winners

1st Prize : « Decolonizing African Schools », Amahara, Ethiopia

Emaelaf Tebikew YALEW, Student, Ethiopian Institute of Architecture (EiABC), Addis-Abeba, Ethiopia.



2nd Prize : « Eco l'eau », Dar Es Salaam, Tanzania,

Victor PIOLAT, Architect DE and Hindou MADI-SOUF, Student, Ecole Supérieure d'Ingénieurs Réunion Océan Indien (ESIROI).



3rd Prize : « L'oasis - Quand l'école fait le mur », Lomé, Togo.

Youssef HMIDOUCHI and Soraya HAFFAF and Estelle POISSON, Ecole Nationale Supérieure d'Architecture Paris Val-de-Seine.



SPONSORING AND PARTNERSHIPS

Sponsoring is open to any company, organization or association, school or university wishing to support ARCHIGINEER AFRICA 2020 competition.

A sponsoring file is available on request. For more information on partnership opportunities, do not hesitate to contact us.

This event offers the opportunity of high visibility among young talents, architects, urban planners and engineers of today and tomorrow, but also with the general public.

Grouped sponsoring forms (contest + magazine + website + conferences, etc.) are also possible. Contact us for more information.

Our partners :



Cité de l'Architecture et du Patrimoine supports and co-produces ARCHIGINEER AFRICA 2020 competition through its program "Laboratory for Africa". It is one of the historical partners of AFRIKArchi association and provides many resources for its actions. the kick-off conference and the jury's deliberations take place at Cité de l'Architecture et du Patrimoine.

Laboratoire pour l'Afrique - Fiona MEADOWS

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Ecole Nationale Supérieure d'Architecture de Paris La Villette is the largest school of architecture in France in terms of students numbers. Its great tradition of openness to the world and especially to Africa explains why this institution was among AFRIKArchi's first partners.



SPONSORING AND PARTNERSHIPS



AIA Life Designers advocates for a collective and collaborative culture of the architectural project. Architects, engineers, economists, urban planners, landscapers, environmental specialists work together to create projects that are in service to their users.

For 40 years, AIA Life Designers has been designing healthcare facilities and is involved in an ongoing reflection on the evolution of public health issues both in France and abroad. They aim to develop solutions that take into consideration people's needs, territorial specificities, technology advancement, from a sustainable perspective.

www.a-i-a.fr



TRYB & GATT REAL ESTATE was born from the will of its two founding partners to transform temporary spaces into pleasant, comfortable and useful places for communities.

The group has developed expertise in the construction of equipments and facilities for public use, building and renovating places of worship, hospitals, wellness centers (Hotels, sports Spa, etc.), orphanages, knowledge centers (Schools, Universities, Libraries, etc.) with a strong and real desire to anchor projects to their context through the choice of local materials.



TRYB INVEST presents itself as a sum of skills and means for a global offer in financial capacities and advice, serving entrepreneurs, their shareholders and also lead projects with high societal value.

Independent financial company, TRYB INVEST is structured around 5 activities: Corporate, Intermediation, Management, Financing, CrowdEquity / CrowdLending.

Estimated Budget :

1/ YEAR 2019

ESTIMATED BUDGET 2019			
ITEM	FUNDS TO RAISE	CONTRIBUTION (AFRIKARCHI & PARTNERS)	TOTAL
COMPETITION LAUNCH			
Creation of a call for projects management website (WIIN Type)	5 000 €		5 000 €
Graphic artist	1 500 €		1 500 €
Coordination AFRIKARCHI		13 000 €	13 000 €
Coordination Cité de l'Architecture		5 000 €	5 000 €
Booking of venue for the launch event at Cité de l'Architecture (Space provided by partner Cité)		5 000 €	5 000 €
Cocktail for launch event at Cité de l'Architecture (100 pers.)	3 000 €		3 000 €
	9 500 €	23 000 €	32 500 €

2/ YEAR 2020

ESTIMATED BUDGET 2020			
ITEM	FUNDS TO RAISE	CONTRIBUTION (AFRIKARCHI & PARTNERS)	TOTAL
JURY			
Lecture theatre (Provided by Cité de l'Architecture)		5 000 €	5 000 €
Coffee and lunch for Jury (15 pers)	750 €		750 €
Round trip Flight tickets for 3 Jury members coming from Africa	3 000 €		3 000 €
Round trip Train ticket for 1 Jury member coming from French province	150 €		150 €
Hotel accomodation 1 night for 4 Jury members (3 from Africa + 1 from French Province)	500 €		500 €
PRIZES			
Prizes (monetary : 1 st Prize + 2 nd Prize + 3 rd Prize) and prizes in kind	8 000 €		8 000 €
AWARDS CEREMONY			
Flight tickets Round trip for the 3 winning teams + AFRIKARCHI team + Jury members + partners	8 000 €		20 000 €
Hotel accomodation for 3 winning teams + AFRIKArch team + Jury members + partners	12 000 €		
Venue rental and audiovisual equipment for awards ceremony	15 000 €		15 000 €
Caterer for buffet reception for the awards ceremony	3 000 €		3 000 €
EXHIBITIONS + PUBLICATION			
Scenography and set for touring exhibition	10 000 €	7 500 €	17 500 €
Creation of a publication (graphics, printings...)	8 000 €	7 500 €	15 500 €
COORDINATION			
Coordination, Administrative management		10 000 €	2 500 €
	68 400 €	30 000 €	98 400 €

AFRIKARCHI : WHO ARE WE?

Created in 2011, AFRIKArchî is a non-profit association (law 1901), based in France. It is present in 15 African countries (Algeria, Benin, Cameroon, Ivory Coast, Ethiopia, Gabon, Ghana, Mali, Morocco, Rwanda, Senegal, Togo, Tunisia...). Since its creation, the association has developed an international network composed of institutions, professionals and experts working all around the world.

AFRIKArchî was founded by two architects of African origin: the Beninese Romarick ATOKE and the French-Algerian Khader BERREKLA. The association has gradually grown around a dynamic core of volunteers and active members based in African countries and around the world.

The main goal of the association is to support and amplify the teaching of architecture, town planning, construction in Africa as well as to showcase a positive and dynamic image of locally sourced materials.

The association seeks to promote inspiration and creativity among young architects, designers, urban planners and engineers, and to give these actors opportunities to explore architectural and technical possibilities.

The association also seeks to raise awareness among African decision-makers on the fact that the fields of architecture, urban planning and construction offer significant potential and opportunities for African development.



AFRIKArchî's core values

- Team Spirit
- Ambition and International Dynamics
- Creativity
- Skills and Professionalism
- Open Mindness
- Initiative

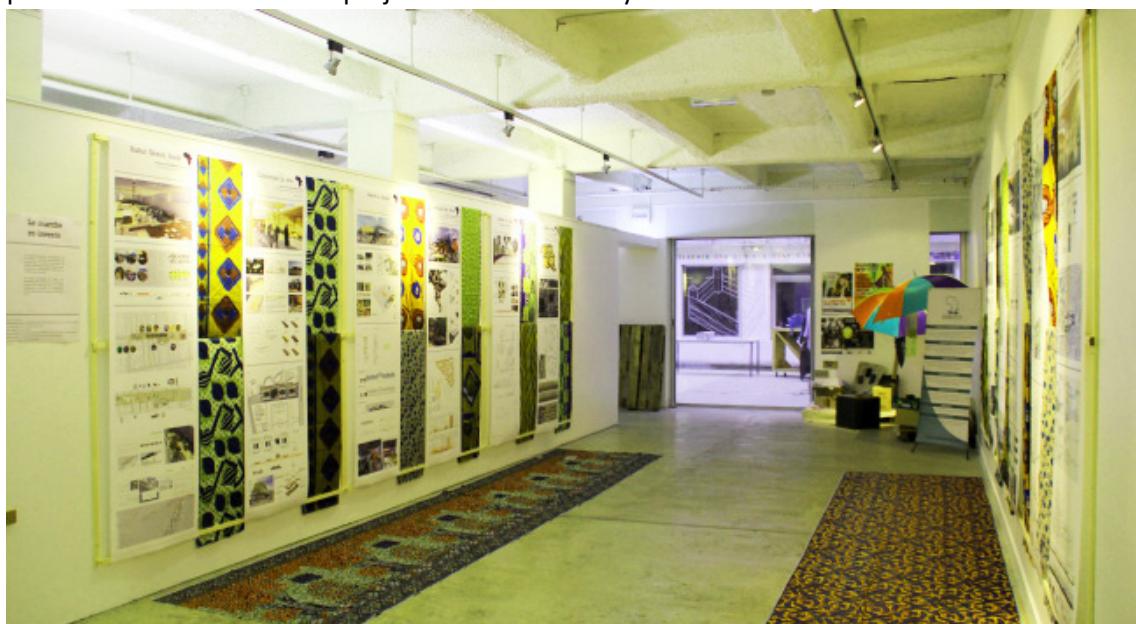
Our actions

- **ARCHIGINEER AFRICA Competition** : Organised every two years, this competition aims to encourage, stimulate and reward creativity and inventivity among African talents of today and tomorrow, especially those of the African continent.



*International competition ARCHIGINEER AFRICA Deliberation,
Cité de l'Architecture et du Patrimoine.*

- **International Exhibition ARCHIGINEER AFRICA** : A touring exhibition based on selected projects of the competition by Jury members. The exhibition takes place in many African countries and around the world. The goal is to promote prize winning projects among students and young professionals and showcase projects internationnally.



*ARCHIGINEER AFRICA Exhibition,
Ecole Nationale Supérieure d'Architecture de Paris la-Villette.*

- **Conference cycle** : Public lectures on various subjects around architecture, city planning, development in Africa, investment in real estate, with professionals and experts from related fields.
- **AFRIKArchí Network** : Professional and social network, this platform brings together a panel of professionals, experts and students from all backgrounds and having for major concern the development of Africa.
- **AFRIKArchí Magazine** : A web magazine with articles, interviews, focus on projects, promoting architecture, city planning, civil engineering, investment in real estate and related fields in Africa.



Les publications d'AFRIKArchí Magazine
www.magazine.afrikarchi.com

- **Workshops** : AFRIKArchí works on partnerships in order to offer intensive workshops on different sites in Africa, around restructuring or constructing projects, in connection with local authorities.
- **Social Activities** : these actions consist of equipping workshops in schools and universities of architecture, urban planning and civil engineering in Africa, with computer hardware and equipment. These activities are supported by crowdfunding and part of the funds that the competition generate.

AFRIKArchî

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