

Futuropolis 2045 - Project 774: Health and Sustainability "Empowering Communities Through Sustainable Design."

Futuropolis 2045 invites visionary Architects, Designers, and Innovators to reshape healthcare in Nigeria. This year's challenge is to design a hospital AND rehabilitate/remodel an existing community health center within one of the 774 Local Government Areas (LGAs) in Nigeria. The competition aims to address health challenges with a focus on sustainability (energy efficiency, passive cooling, waste management conversion etc).

Who Can Compete: Any architecture student ([B.Sc](#) or [M.Sc](#))

- students 25 and under: can compete as an individual or in groups of 2-4
- students over 25: **must** compete in a team of 3, where you are the only participant over 25

Brief Outline:

You are to design a main project and a mini project, both of which are centered on health **and** sustainability.

- **Health Focus:** Both the hospital's specialized unit and the revamped health centre should be built for the masses, affordable, and address health issues common to the chosen LGA.
- **Sustainability Focus:** Both buildings should prioritize self-sufficiency, integrating effective systems for resource and waste management, energy efficiency, and eco-friendly design. Material selection should also be energy-efficient and environmentally conscious.

Main Project (Objective): To design a general hospital with a specialized unit addressing common ailments in the chosen LGA.

- Consider essential conditions that must be maintained for when the hospital has to be run on very limited power. For example, what would be the most sustainable and innovative way to maintain good cooling, keep all hospital machines running, keep patient spaces well-lit etc, regardless of the power situation?

Mini-Project (Objectives):

- To choose an existing community/primary health center in your selected LGA and rehabilitate or remodel it (based on the extent of the building's degradation), AND
- To optimize the health center space to:
 - serve as the hub for diagnostics, first aid, levels 2-5 of triage,
 - transfer patients to the main hospital for level 1 triages and recurring ailments only, and

- conduct sensitization programs to educate the masses on health problems prevalent to the LGA.

Budget: The Government has allocated 2.48 Trillion Naira of the 2025 National Budget to the Health Sector for **all** 774 LGAs. Based on this allocation, justify a reasonable budget for your entire project (both main and mini). How much of that should go to your chosen LGA? What percentage of your LGA's funding would go into infrastructure vs meeting the health needs (medication, salary for workers etc)?

Other Key Considerations

- Healthcare (diagnoses, consultancies, follow-ups and insurance) must be affordable (eg ₦1,000 per person monthly). Estimate and justify the hospital cash inflow based on the population of LGA. For example, if you have a population of 1 million and 50% can afford 1000 naira per month, how would this be able to service and maintain the facility?
- You will be awarded for presentation, functionality, rationalism/justification, health focus, sustainability focus and budget. You will also receive minor points for your concept and aesthetics.
- Ensure you find a justifiable balance between aesthetics, health and sustainability in your design budget.

Submission Requirements:

- Main project: Submit a **3-4 minute** video presentation (visual walkthrough with voice over) **and design PDF** with all necessary details.
- Mini project: Submit a **3-minute** video presentation (visual walkthrough with voice over) **and design PDF** with all necessary details.
- Upload all of the above to WeTransfer and share the links via the submission form provided.
- Await confirmation of receipt.

Timeline:

- **Registration: February 1st - April 30th 2025**
- Seminar Week: May 1st - May 7th 2025
- Design and Submission Phase: May 8th - July 31st 2025
- **Submission Deadline: July 31st 2025**
- Vetting and Selection of Top 10: TBA

- Top 10 Announcement: TBA
- Event Announcement: TBA

Prizes:

- **Winner: 1 Million Naira**
- **First Runner Up: 700,000 Naira**
- **Second Runner Up: 400,000 Naira**
- **Most Sustainable Design Approach: 200,000 Naira**

FAQs

- Q: Are we submitting two designs at the same time?
 - A: Yes, your design for the main hospital project AND the mini project of revamping a primary health center must both be submitted.
- Q: Can I make changes to my LGA or team after I've registered?
 - A: Yes. As long as registration is still open, you can change your LGA and add/remove/change team members. Send an email to christabelle@aforaestheticsng.com and she will walk you through the process.
- Q: Is the Futuropolis event open to everyone?
 - A: It is an invite-only event for professionals in the architecture, sustainability and health sectors, but it is open to participants who submit designs for the competition.

Registration

Registration **opens** on **February 1st, 2025** and **closes April 30th, 2025**. Please register at <http://aforaestheticsng.com/futuropolis-2045-registration/> and check your email for confirmation of registration.

For further inquiries, kindly reach out to us:

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