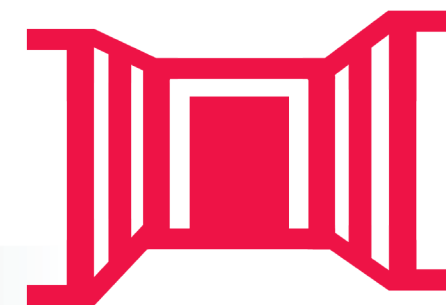


AI & ROBOTIC MUSEUM **MEXICO CITY**

2023





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INTRODUCTION

ARQUITECTUM was the first international platform and agency of its kind dedicated to organising open conceptual and built architecture competitions for professionals, graduates and even students to present their vision for various projects, exposing their work to prospective clients, employers and publishers worldwide.

ACKNOWLEDGEMENT

ARQUITECTUM gratefully acknowledges the contribution and support of our staff, media sponsors and distinguished members of our jury in the publication of these new competitions under a revamped structure and management.

THE CHALLENGE

The challenge for this competition is to design an **AI (Artificial Intelligence) and Robotics Museum** in Ciudad de México (CDMX) within the Nuevo Polanco district with museums and centres such as Museo Soumaya Art Museum, Museo Jumex, Inspark Virtual reality amusement park, Acuario Inbursa aquarium exhibition centre and Teatro Telcel.

OBJECTIVES OF THE COMPETITION

The objectives of the **AI & ROBOTICS MUSEUM , MEXICO CITY** competition are the following:

- Reward quality design solutions that responds effectively to the specification of this brief.
- Encourage architectural design solution and ideas that best respond to the location.
- Generate both functional and volumetric contribution to the site.
- Promote the design of a structure that takes into context the site and topology.
- Stimulate discussion of ideas regarding the intervention and construction on such a site.

COMPETITION STRUCTURE

This is a single stage Competition to identify the most appropriate and most consistent proposal in accordance to the general and specific objectives of the contest.

ELIGIBILITY

Eligible participations for this competition are follows:

- Architects and Graduates who have completed their architecture studies (including bachelors).
- Architecture students - possibly under the direction of an architect or course professor, but not mandatory.
- Multidisciplinary teams (*designers, engineers, artists, planners etc.*) are also encouraged to take part in this competition provided the team is lead by an architect.
- Teams can only have a maximum of four (04) members listed. Any request for name changes to team list will be at our discretion.

INELIGIBILITY

Architects or participants who are directly related or associated with ARQUITECTUM or its client are excluded from participation; including its employees, administrative and executive staff. The same will apply to professional architects currently hired, the family, dependants , or staff working for any of the ARQUITECTUM jury members.

COMPETITION STATUS:

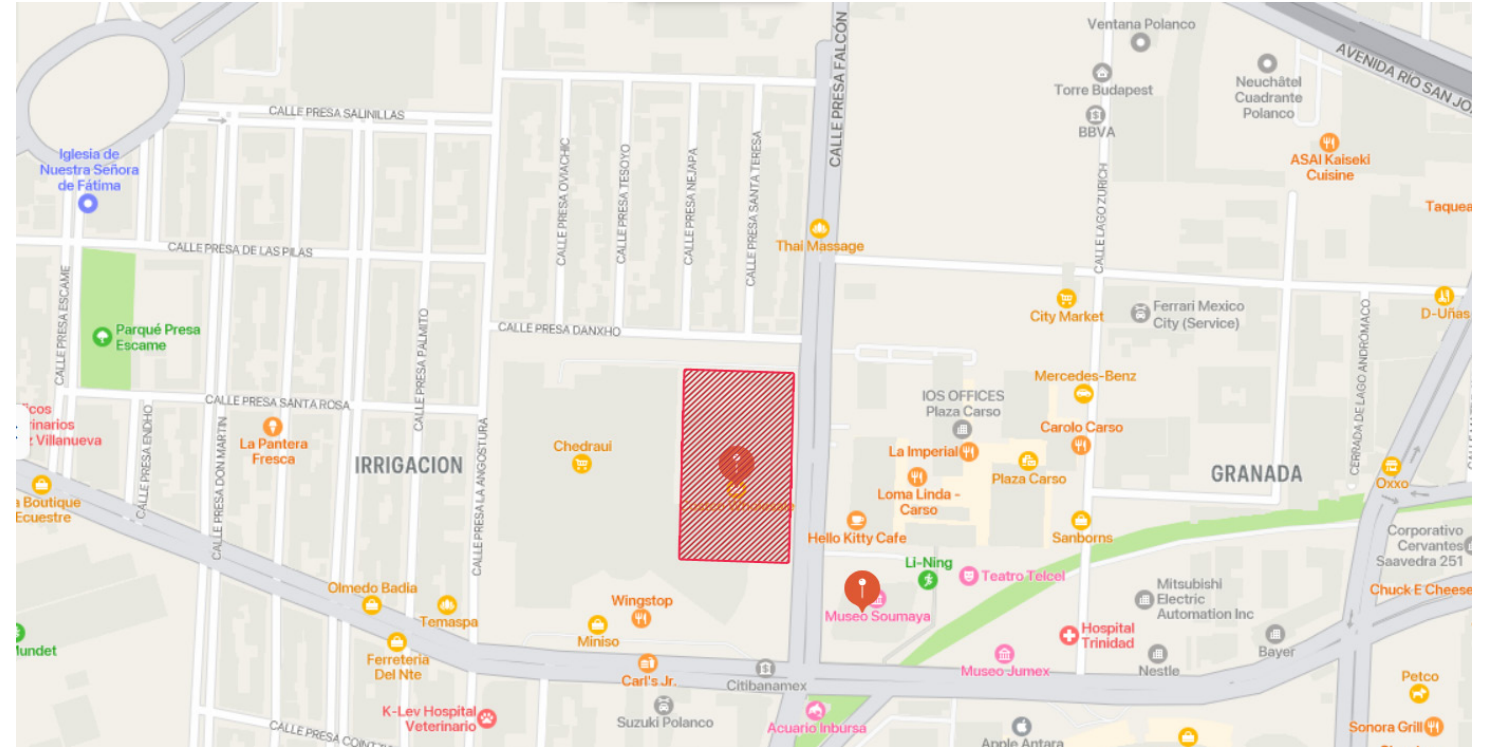
This open competition is only for ideas and concepts with no plans to construct the **AI (Artificial Intelligence) and Robotics Museum** on this site or any other site within the Mexico City Municipality.



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THE SITE

The site is located within the Nuevo Polanco of Ciudad de México, CDMX, Mexico. It is an areas with c. This particular area is one with great cultural and high local and tourist activity.



SITE CHARACTERISTICS

The following are characteristics of the site:

• Location

Address: Presa Falcón / Blvd. Miguel de Cervantes Saavedra, Col. Irrigación, Miguel Hidalgo, 11500 Ciudad de México, CDMX, Mexico.

District: Nuevo Polanco, Mexico City

Nuevo Polanco (New Polanco) is a former industrial area of Mexico City which consisted of warehouses and factories. It borders the upscale Polanco on the north across Avenida Ejército Nacional. And officially it consists of two colonies of Granada and Ampliación Granada.

• Latitude and Longitude Coordinates: 19°26'28.18"N, 99°12'19.90"W

• Elevation:

General Elevation: 2,240 m (7,350 ft)

Highest Elevation: 3,930 m (12,890 ft)

• Time Zone: Central Standard Time (CST) and Coordinated Universal Time (CST) / Greenwich Mean Time (GMT) -6

• Climate

Mexico City has a subtropical highland climate according to the Köppen climate classification due to its tropical location but high elevation. With lower regions of the valley receiving less rainfall than the upper regions of the south making the lower boroughs drier and warmer than the upper southern boroughs of the city.

The average annual temperature varies from 12 to 16°C (54 to 61°F), depending on the altitude of the borough. The temperature is rarely below 3°C (37°F) or above 30°C (86°F) with the lowest temperature ever registered being -4.4°C (24°F) on 13 February 1960, and the highest temperature on record being 33.9°C (93°F) on 9 May 1998. Precipitation is heavily concentrated in the summer months, and includes dense hail. Snow fall can be witnessed in the mountain top, however very rarely in the city.

Mexico city receives about 820 millimeters (32in) of annual rainfall concentrated from May through October. Mexico city has two main seasons comprising of the wet humid summer which runs from May to October when winds bring in tropical moisture from the sea – with the wettest month being July. And the cool sunny winter which runs from November to April, when the air is relatively drier, the driest month being December.

These two main season are subdivided into a cold winter period and a warm spring period with the cold period spanning from November to February, when polar air masses push down from the north and keep the air fairly dry. And the warm period extending from March to May when subtropical winds again dominate but do not yet carry enough moisture for rain.

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SUBMISSION REQUIREMENT

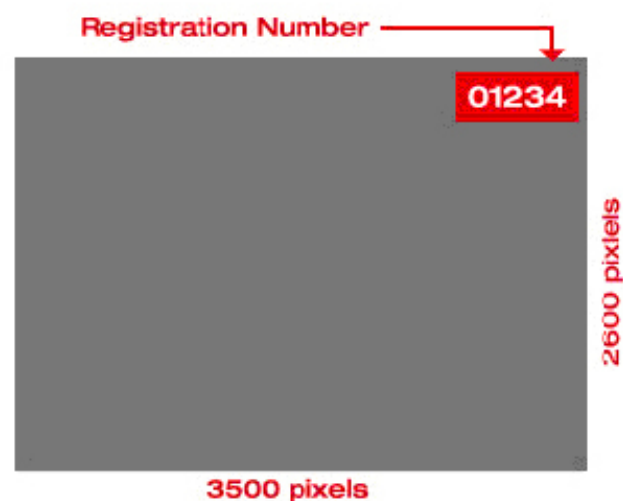
Proposal submissions should consists of a single part, one (01) digital image that can be easily viewed within the horizontal format of a computer screen. The presentation technique is absolutely open and at the discretion of the project designer. However, the inclusion of the following information within the image is recommended:

- Main concept of the project
- Elevation
- Plans
- Sections
- Sketches or perspectives

The presentation should clearly document the proposal as well as the approach to the project. Ideas regarding organization, materials, treatment of the location as well as the design should be included where considered relevant.

Any other verbal (or numerical) description relating to the pro[posal should be expressed in English and should be incorporated into the graphical presentation of the project.

The **Registration Number** should appear on the upper right side of the image.



Submission File

The submitted digital image must follow the guidelines and characteristics below:

Digital Format: .JPG

File Name: The image's name must match the Registration Number

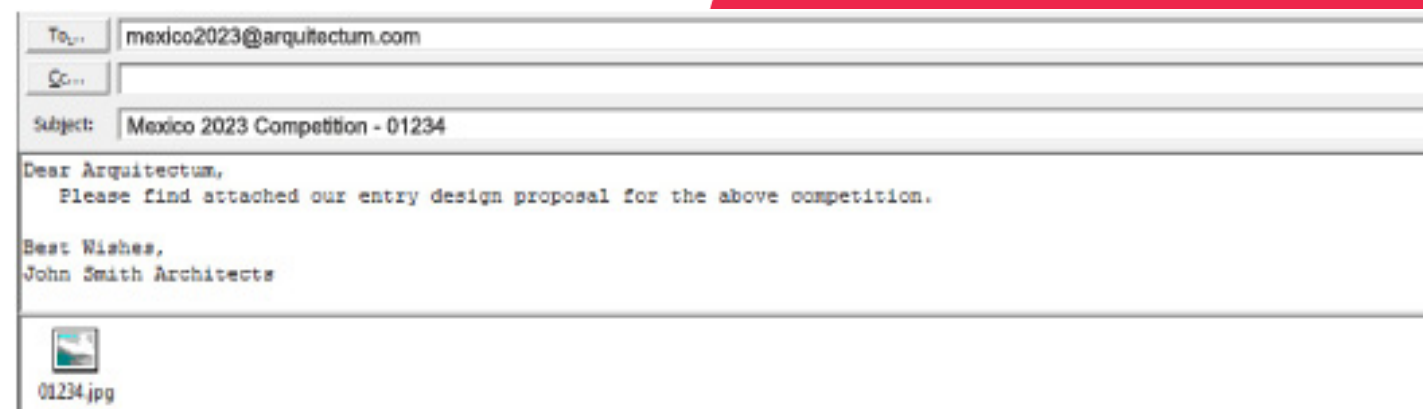
Maximum jpg File or Zip / Rar Size: Five megabytes (5 MB)

Dimensions: Landscape format (2600 height x 3500 width pixels)

Submission email

Submission can be made by sending the file via email to: mexico2023@arquitectum.com with the name of the file corresponding to your Registration Number (for example: 01234.jpg).

The **SUBJECT** of the email must be the **NAME OF THE COMPETITION AND THE REGISTRATION NUMBER** (Example: **SUBJECT: MEXICO 2023 COMPETITION 01234**).



NOTE:

- Competitors may present more than one proposal, however each proposal require a seperate registration with each proposal allocated a different Registration Number.
- Organisers advise participants to send in their projects from the same email address used for registration as using an anonymous email address or a different email account - even that created exclusively for this purpose may make it impossible for us to link your registration, identify and contact you should a problem arise.
- Proposals that fail to meet the minimum submission standard specified in this brief would not be part of the evaluation process.
- 3500 x 2600 pixels is approximately 36.45 x 27.08 inches or 92.6 x 68.79 centimeters to 96dpi.
- We strongly recommend participants to follow these instructions to avoid the possibility of our system detecting their email as SPAM.

SCHEDULE

- ANNOUNCEMENT OF COMPETITION 28th August 2023
- EARLY REGISTRATION From 27th September to 16th October 2023
- STANDARD REGISTRATION From 17th October to 29th November 2023
- LATE REGISTRATION From 30th November 2023 until 26th January 2024
- QUESTIONS DEADLINE 29th November 2023
- PROPOSAL SUBMISSION DEADLINE 02nd February 2024
- PROPOSAL EVALUATION From 05th February to 29th February 2024
- WINNERS ANNOUNCED 07th March 2024

Note: All deadlines are by 23:59 pm (GMT)

DEADLINES

All proposals must be sent via email to mexico2023@arquitectum.com by midnight (23:59 pm GMT) on **30th November 2023**.

Participants are responsible for the arrival of their proposals within the corresponding deadlines as proposals received after the specified deadline will not normally be accepted.

FEES

Please see the Arquitectum website and related competition page for fees relating to the respective registration stages.

SUBMISSION CONFIRMATION

Due to volume of entries, and to uphold the integrity of ARQUITECTUM competitions, we CANNOT send out personal electronic submission receipts and confirmations to participants.



QUERIES

- General Queries relating to specific individual questions will be handled and responded to as low priority queries and may take longer to be replied to with that relating to competition participation marked as higher priority.
- Technical queries about any aspects of the competition that is not specified in the Brief or rules should be directed to **competitions@arquitectum.com**. These questions will be available online at the FAQ link on the Competition's website or specific competition detail page.

We recommend that participants check this section before sending any queries to us, as this will be updated regularly.

- During the evaluation and deliberation process, ARQUITECTUM, will not answer any verbal, telephone, electronic or postal communication relating to the competition. Any attempt to establish such communication with ARQUITECTUM or any member of the competition jury will imply an immediate disqualification from the competition.

DISQUALIFICATION

The General Consultant at ARQUITECTUM will have the power to disqualify any proposal which:

- Arrives after the specified deadline.
- Is found to be incomplete or damaged.
- Contains any sign or mark that may, in any way contribute to identifying its author.
- Is proven to be from a participant or team directly related or associated to a member of staff or Jury.

ANONIMITY

ARQUITECTUM undertakes to scrupulously protect the integrity of this competition during its entire process by using individually assigned REGISTRATION NUMBERS to identify each proposal and to store the related personal identification information separately. Proposal image boards are prohibited from carrying any marks, logos, symbols or sign that may identify its author and any infringement of these rules will lead to immediate disqualification.





THE PROJECT

The project is to design a **AI & ROBOTICS MUSEUM** in Ciudad de México (CDMX) within the Nuevo Polanco district along Blvd. Miguel de Cervantes Saavedra dedicated to the permanent and temporary display and presentation of AI (Artificial Intelligence) and Robotics exhibits and technologies, past, present and future.

What is a Museum?

A Museum is a building, place or institution devoted to the acquisition, conservation, study, exhibition and educational interpretation of objects having scientific, historical, cultural or artistic value.

What is 'AI' ?

AI (Artificial Intelligence) is the ability for machines to perform tasks that are typically associated with human intelligence such as learning, reasoning, processing, perception and problem-solving. We have seen the application of AI in search engines, film and in shopping recommendations (such as with Amazon, Netflix, Youtube), speech recognition devices (such as Alexa and Siri), self-driving cars, generative tools (such as ChatGPT, DeepAi, DALL-E, AutoDraw), and in applications for strategic games and more.

What is a robot ?

A robot is a machine specially programmable by a computer and capable of carrying out a complex series of actions automatically base. Most robots autonomous or semi-autonomous are task-performing machines but may be constructed to evoke human form expressive aesthetics for specific functions. By mimicking a lifelike appearance or movements, a robot may convey a sense of intelligence or independent thought as seen with humanoids. Robotics is branch of technology related to the design, construction, operation, control, and information processing for robots.

PROGRAM AND USES

The spaces should be included within the design program:

Entrance Area: A 500 m2 for exhibition information and visitor assistance

Souvenir Shop: A 250 m2

Permanent Exhibition Space: A 2,000 m2 space

Temporary Exhibition Space: A 1,000 m2 space

Educational Space: A 500 m2 space with capacity for 250.

Café: A 250 m2 space

Administration Area: A 500 m2 space

Restroom Facilities: 400 m2 space for total 24 toilets including wash basins and 8 baby Change Facility.

- 12 x single occupancy toilet / washroom for women Plus 4 x Baby Changing Room / Disabled Access

- 12 x single occupancy toilet / washroom for men Plus 4 x Baby Changing room / Disabled Access

Onsite Storage Space: A 500 m2 space.

Service and Plant Room: A 500 m2 space.

Circulation:

4 x Emergency Exit Stairs.

1 x Main Entrance and Possibly Exit Combination

4 x Elevators for visitors, if over single floor.

2 x Service Elevator for the Museum's services and exhibits.

Underground carpark (*This can just be indicated without a full design*)

PARTIAL: **6,400 m2**

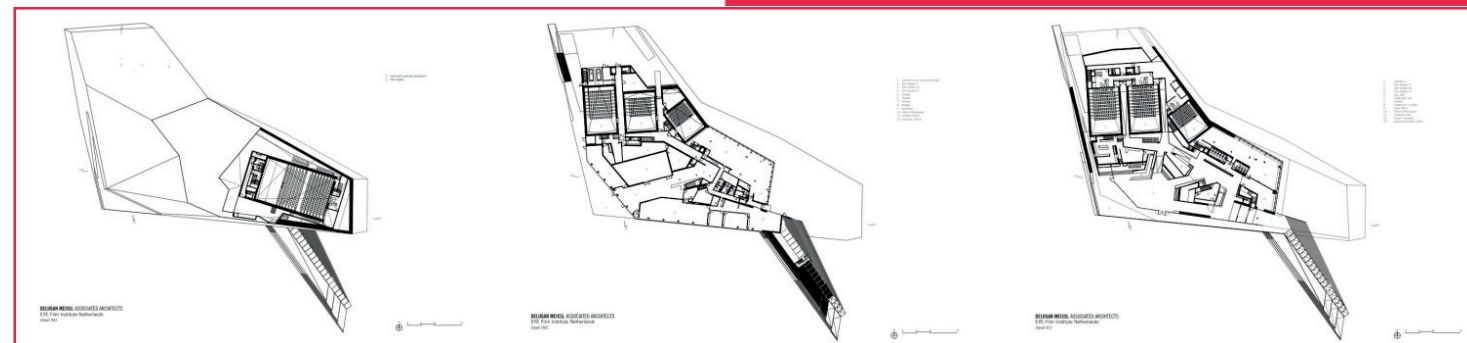
CIRCULATION AND WALLS: 25% of the Total Area: **1,600 m2**

TOTAL: **8,000 m2**

Note: Participants are free to design for multiple levels to accommodate the museum program.

BASIC ORGANIZATION

- **Public Spaces** (Entrance Area, Exhibition Area, Digital Library, Restrooms, Café) will be freely accessible to all visitors.
- **Semi-public Spaces** (Learning Area / Virtual Reality (VR) / Augmented Reality (AR), Auditorium) will only be accessible to public visitors with permitted access and this will be restricted according to the uses.
- **Private Spaces** (Administrative Area, Security Room, Plant Room, Storage Area) - only accessible to cleared staff and visitors.



ARCHITECTURAL CONTRIBUTION

ARQUITECTUM considers its competitions as a platform and an opportunity for architectural experimentation, speculation and discussion. And to this end, the parameters are always open, flexible and to a certain degree, referential, given that we are interested in motivating architects to provide their own unique "point of view". This may some times lead to concepts and designs that push the very limit, boundary or almost subversion of the rules defined by the competition without being disqualified. In other words, each proposal is free to explore how far they can push the boundaries of the the rules.

AVAILABLE DOWNLOADS

The associated files that accompany the release of this competition brief which includes CAD, site photographs, maps and aerial images should be downloaded and referred to as a guide to your design proposal and help you better understand the site and requirements.

REFERENCE SOURCES

Further information relating to the competition site and context can be found by visiting these independent sources:

Mexico City: https://en.wikipedia.org/wiki/Mexico_City

Google Maps: <https://goo.gl/maps/yxpxPUHZYscQ3KqA7>

Topographic Map: https://en.wikipedia.org/wiki/Mexico_City#/media/File:MX-DF-Relieve.png

DESIGN CRITERIA / SPECIAL CONDITIONS

Volume: The volume must relate harmoniously with the site context whilst also being unique and original.

Location: The volume should sit comfortably in the location and maximise the potential of the site.

Views: The proposal must maximise any views around it and compliment the surrounding buildings.

Materials: There is no restriction, however the most appropriate materials to the environment and climate should be considered.

Security: The structure must take into consideration the terrain, topology or any volcanic, tectonic or climatic changes.

Image: The design should project a contemporary or futuristic image.

Circulation: An effective circulation solution must be proposed taking into consideration any safety. concerns

Access: Access to and exit from the building must be proposed and controlled.

Spatial organisation: The program can be organised and distributed according to participant's concept and design.

Lighting: Every effort must be made to maximise natural lighting with artificial illumination kept to a minimum.



PRIZES AND AWARDS

1st PRIZE:

- US \$ 2,500 (TWO THOUSAND FIVE HUNDRED US DOLLARS).
- Published on the Architectum website.
- Recommended to a number of international architecture publications including magazines, blogs and websites for publication.
- Published on Architectum's social media accounts.

2nd PRIZE:

- US \$ 1,000 (ONE THOUSAND US DOLLARS).
- Published on the Architectum website.
- Recommended to a number of international architecture publications including magazines, blogs and websites for publication.
- Published on Architectum's social media accounts.

3rd PRIZE:

- US \$ 500 (FIVE HUNDRED US DOLLARS).
- Published on the Architectum website.
- Recommended to a number of international architecture publications including magazines, blogs and websites for publication.
- Published on Architectum's social media accounts.

9 HONORABLE MENTIONS

- Published on the Architectum website.
- Published on Architectum's social media accounts.

JURY

Please see the Architectum website for the latest listing of the competition judging panel.

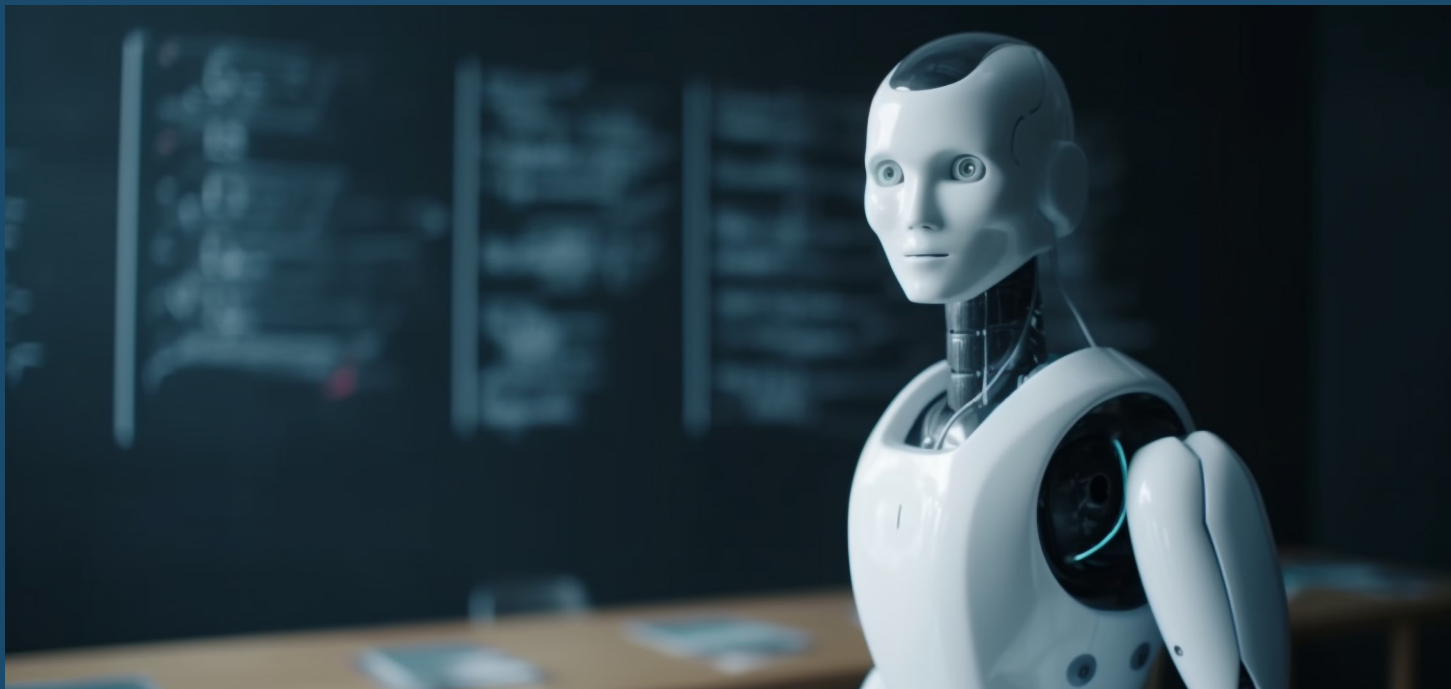
JUDGING PROCESS

The panel of judges will review and evaluate the proposals and choose the winners. This decision will be based on individual experience, sensibilities and adequate response to the brief in relation to the submitted proposal. ARQUITECTUM's advisor will observe and participate in every aspect of the judges evaluation.

EVALUATION CRITERIA

The evaluation criteria will be based on the following:

- Originality of the proposal and quality of architectural design.
- Coherence of the proposal to the aim of the competition in terms of both general and specific requirements.
- Exploration of innovative approach and new spatial experience.
- Clarity and quality of presentation.



FURTHER INFORMATION

PUBLICATION AND EXHIBITION

Arquitectum may publish and exhibit the submitted proposal as part of its event or promotional activities.

PROPERTY AND RIGHTS

All images submitted to the competition will subsequently form part of the permanent digital archive of Architectum, thereby becoming part of its archives for use for promotional, exhibitions, publications other purposes related to the Architectum platform and brand and will not be returned. Architectum may reproduce and publish the work in relation to the competition and its business, however, authors retain their intellectual property rights over their work. This effectively means participants give Architectum a non-exclusive, worldwide, royalty free, irrevocable license in perpetuity to display and archive your entry. These rights shall be applied to all existing or future media.

COMMUNICATION AND TECHNICAL INQUIRIES

- Architectum is responsible for the enforcement of all Competition Rules, as well as for its management, organisation and fairness. All contact relating to our Competitions must be addressed to us by e-mail (**team@arquitectum.com**).
- Any attempt to get in contact with the jury in relation to the contest will result in immediate disqualification.
- Any question concerning registration, fees or payments should be addressed exclusively to **register@arquitectum.com**.

PRIZE

Participants of winning proposals will be notified by e-mail in accordance to the details provided to us and held within our systems.

- In order to receive any cash prize, the winning participant may be required to submit an invoice inclusive of any relevant taxes for the sum of the specified prize amount.

COMPLAINTS / RULES ACCEPTANCE

- Registration for the Competition confirms an immediate acceptance of these Rules, as well as the partial and/or final composition of the jury. Participation and registration in the Competition will thus imply an acceptance of these terms and conditions.
- The jury decision is final and binding.
- Aquitectum reserves the rights to introduce any improvements it deems necessary to the Rules (*such as deadlines extensions, cancelling a competition that is poorly contested or altering the original requirements*). In the event of such an exceptional case, participants will be informed and any compensation advised.
- Aquitectum operates exclusively as the Competition's organiser and platform, is hence, itself and the jury are excluded from any claims, as far as lawsuits (civil or otherwise) with any selection or decision.

REGISTRATION PROCESS

The participants must register for the competition online using the registration form provided on Architectum website and pay the appropriate registration fee using the payment method detailed in the 'METHODS OF PAYMENT' section of this brief.

REFUNDS

Refunds can not be offered under any circumstances once a registration is made should a participant or team decide to withdraw from the competition. Architectum advises all prospective participants to consider this before registering for a competition as this forms part of the terms and condition of all competitions.

METHODS OF PAYMENT

The registration process begins when you fill the competition registration form within the registration section of the Architectum website. And at the end of this process you should have the option of two secure **ONLINE** payment methods:

- Online registration payment using a credit or debit card.
- Online registration payment using a Paypal account.

On successful registration and transaction confirmation, you will receive an e-mail with your unique registration number. For all queries relating to competition registration, please send an email to: **register@arquitectum.com**



FURTHER INFORMATION

THIRD PARTY PROPERTY AND RIGHTS

For the execution of this Competition, Arquitectum in conjunction with its own material, words and images may also extract, reference and used information from the Internet, on the assumption that they are part of the public domain. Authors or copyright owners of any of images or work not properly identify should please contact us.

DISCLAIMER

Arquitectum may not be held responsible for any omissions in this brief or during the competition process. All participants and entrants agree to release, indemnify, defend Arquitectum and any associated party from any liability and from any dispute, claim and legal action arising from or connected with participation in any Competition. Arquitectum also reserves the right to cancel or suspend or alter the rules and amend these Terms and Conditions at any time without notice. These terms are governed by the laws of England and Wales.



