



**FENTRESS**  
GLOBAL CHALLENGE  
**2016**

*<< IDEA COMPETITION FOR STUDENTS*

**AIRPORT**  
*OF*  
**THE FUTURE**



COMPETITION BRIEF

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## ABOUT THE COMPETITION

Unprecedented demand for travel and global commerce has resulted in the proliferation of airports around the world. In their short history, terminal buildings have been criticized for employing generic architectural forms that are unapologetically disconnected from their context and cultural identity. Technical complexity and functional design has often taken precedence over comfort and quality for users.

In less than a century, the airport has emerged as a new architectural typology that is as important as other large-scale public buildings such as museums, libraries, temples and courthouses. Airports are among the most complex and highly frequented transportation hubs, but they are also increasingly important places for work, commerce, recreation and culture. The rapid evolution of airports necessitates the incorporation of the latest developments in technology, design and social trends around the globe.

Started in 2011, the Fentress Global Challenge is an annual international competition created to engage young architects in the exploration of future design possibilities in public architecture. For 2016, students are invited to envision "The Airport of the Future." The winners will gain international exposure and receive cash prizes and a paid internship at Fentress Architects.

**WIRED**



**ARCHITECT**

**bustler**

**AIRPORTS**  
INTERNATIONAL

TAIPEI 台北 TIMES

**PASSENGER**  
TERMINALWORLD



**smartplanet**

## GUIDELINES

Participants are encouraged to re-envision the terminal building of the future, taking into consideration local context, current technological trends, project feasibility and passenger experience. In line with the speculative nature of the competition, participants should seek to improve every dimension of the airport terminal building. All entries should delve into one or more broad topics related to airport architecture and the future of aviation such as urbanization, globalization, technology, flexibility, security, and adaptability.

Designs must be centered on one of the top 30 airports in the world according to Airport Council International (ACI):

- 1** ATLANTA GA, US (ATL)
- 2** BEIJING, CN (PEK)
- 3** LONDON, GB (LHR)
- 4** TOKYO, JP (HND)
- 5** CHICAGO IL, US (ORD)
- 6** LOS ANGELES CA, US (LAX)
- 7** DUBAI, AE (DXB)
- 8** PARIS, FR (CDG)
- 9** DALLAS/FORT WORTH TX, US (DFW)
- 10** JAKARTA, ID (CGK)
- 11** HONG KONG, HK (HKG)
- 12** FRANKFURT, DE (FRA)
- 13** SINGAPORE, SG (SIN)
- 14** AMSTERDAM, NL (AMS)
- 15** DENVER CO, US (DEN)
- 16** GUANGZHOU, CN (CAN)
- 17** BANGKOK, TH (BKK)
- 18** ISTANBUL, TR (IST)
- 19** NEW YORK NY, US (JFK)
- 20** KUALA LUMPUR, MY (KUL)
- 21** SHANGHAI, CN (PVG)
- 22** SAN FRANCISCO CA, US (SFO)
- 23** CHARLOTTE NC, US (CLT)
- 24** INCHEON, KR (ICN)
- 25** LAS VEGAS NV, US (LAS)
- 26** MIAMI FL, US (MIA)
- 27** PHOENIX AZ, US (PHX)
- 28** HOUSTON TX, US (IAH)
- 29** MADRID, ES (MAD)
- 30** MUNICH, DE (MUC)

## AWARDS

### 1ST PLACE

**\$15,000**

The top prize includes US\$5,000 cash, a four-week paid internship at Fentress Architects, airfare, lodging and certificate. Interns from outside the U.S. are responsible for obtaining necessary visa and paperwork. Fentress Architects will provide a supporting letter for visa purposes. Internship details will be arranged separately with the winner. If entering as a group, the prize will be distributed equally.

### 2ND PLACE

**\$3,000**

US\$3,000 cash prize and certificate

### 3RD PLACE

**\$2,000**

US\$2,000 cash prize and certificate

### PEOPLE'S CHOICE AWARD

**\$1,000**

US\$1,000 cash prize and certificate

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## COMPETITION SCHEDULE

Competition Announcement  
Design Submission Deadline  
Shortlist Announcement  
Winners Announcement  
Internship at Fentress Architects

**May 27, 2016**  
**October 1, 2016**  
**October 14, 2016**  
**November 1, 2016**  
**Summer 2017**

## ELIGIBILITY

The competition is open to graduate and undergraduate students who are currently pursuing architecture or engineering degrees at an accredited university program, as well as recent graduates (within the last four years) with a degree in architecture or engineering.

Students must provide proof of active enrollment status. Registrants are required to provide a scanned copy of their student ID and current course schedule. Recent graduates must provide a scanned copy of their diploma.

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## SUBMISSION REQUIREMENTS

By the end of the day on **October 1st, 2016** (23:00 GMT), participants must email competition materials to **[globalchallenge@fentressarchitects.com](mailto:globalchallenge@fentressarchitects.com)**.

The official language of the competition is English and metric is the official unit measurement.

The design concept shall be submitted in PDF format and include:

- Up to 8 pages in 11.5 x 17 format, landscape orientation
- Large sans serif fonts that can be viewed on a projector
- A brief overall description of the design concept
- Supporting diagrams, plans, sections and perspectives are encouraged
- The unique registration number in the upper right corner of every page

The digital file may be no larger than 20MB, and must be named after the registration number, for example: FGC20160000.pdf

Names, affiliations or other forms of identification must NOT be used in the document. Entries with such designations will be deemed ineligible and will not be judged or displayed.

In a separate PDF, please include student IDs of the group members.

# EVALUATION CRITERIA

Participants are encouraged to use clear, concise language to convey ideas, key points and design solutions. Photographs, diagrams, renderings, animations, or collages and other visualizations are encouraged to help explain the concept, respecting the rules previously described.

## **CREATIVE APPROACH**

- The design approach is innovative and inspiring.
- Both the concept and design solution are presented through unique and compelling graphics and other media.

## **RESPONSE TO SITE**

- The design honors the physical attributes of a site's context and culture.
- The overall design strategy matches the global and local demographic requirements of the location.

## **SUSTAINABILITY**

- The design considers the airport's environmental impact and energy use.
- The overall design strategy considers and responds to notions of social sustainability, occupant lifestyle and well-being.

## **FUNCTIONALITY**

- The planning and building organization is clear and appropriate.
- The design solution contains a defined and well-articulated structural, technical and constructible rationale.

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## CONTACT

If you have further questions regarding the competition and submission process, or the awards, please email [jfentress@fentressarchitects.com](mailto:jfentress@fentressarchitects.com).

# RULES AND REGULATIONS

By participating in the Fentress Global Challenge, participant accepts these regulations and all other rules and terms related to the Fentress Global Challenge.

- No changes are allowed once an entry is submitted unless approved by Fentress Architects.
- Participant agrees that, if requested by Fentress Architects, he or she will supply high-resolution images for marketing, printing, or exhibition.
- All materials submitted for the competition must be the participant's original work. It is the participant's sole responsibility to ensure that the work submitted does not infringe upon the intellectual property rights of any third party, including but not limited to copyright, trademark, and design rights. Fentress Architects shall not be responsible for participant's infringement of any third-party intellectual property rights. Participant shall indemnify and hold harmless Fentress Architects against any claims related to third-party intellectual property rights regardless of whether said infringement was known, unknown, or should have been known by participant.
- Participant agrees that Fentress Architects and competition sponsors are granted the non-exclusive reproduction rights to all entries for Fentress Architects' advertising, promotion, exhibition, print publication, and internet purposes directly relating to the competition. Fentress Architects shall have no responsibility for the unauthorized use of entrant's works by any third party, including but not limited to the sponsors.
- All published and online media, including social media, related to the Fentress Global Challenge must be reviewed and approved by Fentress Architects.
- Fentress Architects is not a designated exchange visitor program sponsor. Winners outside the United States will be responsible for obtaining a J-1 visa with a J-1 sponsorship and Fentress Architects will provide an official offer of internship. Fentress Architects is not responsible for any costs related to obtaining a visa or eligibility work in the United States. The prize is non-transferable and no cash alternative is available.
- No prize transfer, assignment, or substitution by winners is permitted. If a prize (or part of a prize) is unavailable, Fentress Architects, in its discretion, reserves the right to substitute the original prize (or that part of the prize) with an alternative prize to the equal monetary value and/or specification, unless to do so would be prohibited by law.
- Entrants agree that personal data, especially name and address, may be processed, shared, and otherwise used for the purposes and within the context of the contest and any other purposes outlined in these official rules. The data may also be used by Fentress Architects in order to verify the participant's identity, postal address, and telephone number or to otherwise verify the participant's eligibility to participate in the contest. Participants have the right to access, review, rectify, or cancel any personal data held by Fentress Architects by writing to Fentress Architects, c/o Fentress Global Challenge, 421 Broadway, Denver CO 80203, USA. Fentress Architects will use personal data exclusively for the purposes stated herein.
- Fentress Architects reserves the right to verify the validity and originality of any entry and/or entrant (including an entrant's identity and address) and to disqualify any entrant who submits an entry that is not in accordance with these official rules or who tampers with the entry process. Failure by Fentress Architects to enforce any of its rights at any stage does not constitute a waiver of those rights.
- Fentress Global Challenge rules and regulations are subject to change without notice.
- If for any reason the contest is not capable of running as planned, due to infection by computer virus, denial of service attacks, tampering, unauthorized intervention, fraud, technical failures, or any other causes beyond the control of Fentress Architects that corrupt or affect the administration, security, fairness, integrity, or proper conduct of this contest, Fentress Architects reserves the right, at its sole discretion, to disqualify any individual(s) who tamper with the entry process, and/or to cancel, terminate, modify, or suspend the contest. If Fentress Architects elects to cancel or terminate the contest, Fentress Architects will not retain any rights for the submitted designs.
- Any claims related to participation in the competition must be brought in Denver, Colorado, USA, and will be governed by the laws of the State of Colorado.
- This contest is void where prohibited.