

**FENTRESS**

<< IDEA COMPETITION FOR STUDENTS

**GLOBAL CHALLENGE**

**2011: AIRPORT *OF THE* FUTURE**

CASH PRIZES | INTERNATIONAL MUSEUM EXHIBITION | PAID INTERNSHIP [1<sup>ST</sup> PRIZE]

**FENTRESS**  
UNIVERSITY



## Fentress Global Challenge

Public Architecture | Idea Competition for Students

### 2011 THEME: THE AIRPORT OF THE FUTURE

Fentress Global Challenge is an annual international competition created to engage students worldwide in the exploration of future design possibilities in public architecture. The competition theme changes each year to reflect current issues. For 2011, students around the globe are invited to envision the Airport of the Future.

Winning students will receive cash prizes and gain international exposure. Top design concepts will be exhibited online and in the Airport of the Future section of the international touring exhibition ***Now Boarding: Fentress Airports and the Architecture of Flight***, which will offer a multi-media immersion into the past, present and future of airport design. It will open in North America in the summer of 2012, and will travel internationally through 2015.

### BACKGROUND

This competition will showcase imagined possibilities in airport design. Your goal is to advance the concept of what the future could be... it's an exciting and limitless destination.

Technological innovation and sociological expectation constantly drive design forward, and airports are on the cutting edge of this thrust. The aviation industry plays an integral role in the global economy with 2.4 billion passengers, 43 million tonnes of freight, supporting 32 million jobs and US\$3.5 trillion in economic activity annually across the globe. And the industry is growing. By 2050, it is estimated that 16 billion passengers and 400 million tonnes of freight will be flown each year.<sup>1</sup>

In the early days of air travel, airports were called "flying fields" and were little more than grassy strips with a small holding area for passengers. In the late 1950s, as travel by air became more affordable, airport design advanced to handle larger crowds and heavier planes. The airport construction boom of the 1960s brought with it a romantic architectural style that mirrored the mystique of air travel, and passengers would dress in their finest clothing to dine at the airport restaurant before boarding.

From the 1970s to the mid-1990s, however, airports became "people processors" and the romance was gone. Increased regulations and terrorist attacks turned glass windows into opaque walls, and the need for rapid airport expansion with limited budgets resulted in uninspired design. A traveler

<sup>1</sup>IATA Vision 2050 – Shaping Aviations Future

could anticipate few opportunities for fast food dining, let alone gift shopping, entertainment or relaxation. Airports had become places to get through, rather than be in.

In the last 15 years, airports have experienced a resurgence of inspired design. Beautiful terminals with high-end retail and amenities make a traveler's layover more pleasant and allow airlines to keep ticket costs down. Globalization is rapidly expanding the need for new airports and airport cities. These future airports will be the cornerstones of tomorrow's economy, shaping emerging regions in the same way that cities of the past were shaped by their access to seaports and railways.

What is the future of airport design? How will the Airport of the Future look and function? The 2011 Fentress Global Challenge invites you to answer these questions through design.

## **GUIDELINES**

Participants are encouraged to explore the topic in a variety of ways and take into consideration multi-layered elements, including urbanization, globalization and innovations in materials, technologies, aesthetics, flexibility, security, adaptability, and traveler experience from "curbside to airside."

There are no restrictions on site, program or size. However, the proposed design must address the context of a site by showing its location in the world, positioning of the building(s) on the site, and how the design responds to and impacts the site. The objective is to maximize the ability of participants to propose imaginative conceptual design ideas for the Airport of the Future.

All conceptual design submissions must address the following:

### **Design**

How might your design be a model for the Airport of the Future? Do you envision new ways of travel that might impact the design of airports and airport cities?

### **Technology**

What technological innovations might the airport of the future employ?

How might this affect design?

### **Sustainability**

What sustainable strategies might airport of the future employ?

How might this affect design?

### **Passenger Experience**

How might passenger experience change in the future, and how might this affect design?

## ELIGIBILITY

- Fentress Global Challenge is open to graduate and undergraduate students actively enrolled and pursuing an architecture or engineering degree, as well as 2011 graduates.
- Students must provide proof of active enrollment status. Registrants are required to provide a scanned copy of your student ID and current course schedule. Recent graduates of 2011 must provide a scanned copy of diploma.

## COMPETITION SCHEDULE

Competition Announcement	Friday, July 22, 2011
Registration Deadline	Monday, October 31, 2011
Question Submission Deadline	Monday, November 7, 2011
Design Submission Deadline	Saturday, December 31, 2011
Winners Announced	Wednesday, February 15, 2012
Winning Designs Exhibited	July 2012- 2015
Internship at Fentress Architects	Summer 2012

## AWARDS

### 1<sup>st</sup> Place

**US\$10,000 prize and a certificate** (US\$10,000 prize includes US\$3,000 cash, 4 week paid internship at Fentress Architects, airfare and lodging)

The winning student will gain exposure to the architectural industry with an internship at an award-winning international architectural firm. The intern may assist on project teams, model making and marketing. An intern from outside the U.S. is responsible for obtaining necessary visa and paperwork; Fentress Architects will provide a letter stating offer for internship. Internship details will be arranged one-on-one with the winning student.

### 2<sup>nd</sup> Place

US\$1000 cash prize and a certificate

### 3<sup>rd</sup> Place

US\$500 cash prize and a certificate

## REGISTRATION

- Competition details and registration information at [www.fentressarchitects.com/aof](http://www.fentressarchitects.com/aof)
- Participants must register online by October 31, 2011; registration is free
- After registration you will receive a registration number for your final submission
- To provide proof of active enrollment status all registrants must email a scanned copy of your student ID and current course schedule to [globalchallenge@fentressarchitects.com](mailto:globalchallenge@fentressarchitects.com) on or before December 31, 2011, along with your registration number

## SUBMISSION REQUIREMENTS

This is a digital competition; no hardcopies will be accepted. Participants must email their conceptual design to [globalchallenge@fentressarchitects.com](mailto:globalchallenge@fentressarchitects.com) by the end of the day on December 31, 2011 (23:00 GMT)

The design concept shall be submitted in PDF format, including:

- Up to 8 pages in A3 size with landscape orientation
- Maximum of 4 images per page
- 600 word total limit for all pages (please tell your story with graphics), in Arial 12 point font
- Must contain a brief overall description of your design concept
- The official language of the competition is English
- The official unit measurement of the competition is metric
- Supporting diagrams, plans, sections and perspectives are encouraged
- Digital file may be no larger than 20MB
- Digital file must be named after the registration number, for example: FGC20110000.pdf
- Entry must contain your unique registration number in the upper right corner of every page. There may NOT be any names, affiliations or other forms of identification in the document. Entries with such designations will be deemed not eligible and will not be judged or displayed.

## JURY

Judging panel will be chosen by Fentress Architects and comprised of design and industry professionals from within and outside the company. Jury will be announced on the website in the fall of 2011.

## **EVALUATION CRITERIA**

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

To assist with the judging process, the evaluation criteria are divided into four categories:

### **Creative Approach**

- Design solution is innovative and inspiring
- Design solution is presented with unique and compelling concepts and graphics

### **Response to Site**

- Design solution honors the physical aspects of a site context and culture
- Design solution honors the global and local demographic requirements of the location

### **Sustainability**

- Design solution considers the airport's environmental impact and energy use
- Design solution considers social sustainability, occupant lifestyle and well-being

### **Functionality**

- Planning and building organization is clear and appropriate
- Design solution contains a defined structural, technical and constructional rationale

## **NOTIFICATION**

Winners will be notified via e-mail by February 15, 2012. It is the participant's responsibility to provide accurate contact information.

## GENESIS OF THE FENTRESS GLOBAL CHALLENGE

Fentress Architects has designed some of the world's most innovative and award-winning airport terminals. Our commitment to people and their communities is integrated into every terminal we design. In 2010, Curtis Fentress, founder of Fentress Architects, was awarded American Institute of Architects' Thomas Jefferson Award, the highest award in public architecture, recognizing "a portfolio of accomplishments that evidences great depth while making a significant contribution to the quality of public architecture." The Thomas Jefferson Award is a testament to Fentress' vision, design philosophy and excellence in the field of public architecture. As part of this special celebration Fentress Architects is launching the Fentress Global Challenge to further advance the pursuit of timeless public architecture.

## INTERNATIONAL TRAVELING EXHIBITION

Winning design concepts will be exhibited at museums around the world in the exhibition ***Now Boarding: Fentress Airports and the Architecture of Flight***. *Now Boarding* provides a multi-media immersion in the past, present and future of airport design through three distinct storylines: 1) the history of airport design, 2) an up-close exploration of airports through six international projects designed by Curtis Fentress, and 3) the future of airport design as imagined by experts across disciplines. Organized by noted curator Donald Albrecht, the exhibit examines this complex public space through digital art, film, animation, models, drawings, photographs, renderings and full-scale architectural elements. It is accompanied by a scholarly catalogue featuring essays by Donald Albrecht, Peter Christensen, Gillian Fuller and Curtis Fentress. The exhibition will open at the Denver Art Museum in the summer of 2012, and will travel internationally through 2015.

## REGULATIONS

- This is an anonymous competition; your registration number is the only means of identification.
- Contacting any member of the jury is prohibited.
- No changes are allowed once the entry is submitted.
- 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 hold harmless and indemnify 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 any unauthorized use of entrant's works by any third party, including but not limited to the sponsors.
- Participant agrees that, if requested by Fentress Architects, he or she will supply high resolution images for marketing, printing or exhibiting.
- Fentress Global Challenge rules and regulations are subject to change without notice.
- Any claims related to participation in the competition must be brought in Denver, Colorado and will be governed by the laws of the State of Colorado.
- Participants will be disqualified if any of the competition rules are not followed.
- By participating in the Global Challenge, participant accepts these regulations and all other rules and terms related to the Global Challenge.

## **QUESTIONS & ANSWERS**

All information can be found at [www.fentressarchitects.com/aof](http://www.fentressarchitects.com/aof). If you have additional questions, please email [globalchallenge@fentressarchitects.com](mailto:globalchallenge@fentressarchitects.com) by end of the day on November 7, 2011 (23:00 GMT). Questions and answers will be posted online.