

archifest 09



ARCHIFEST '09: Architecture for Humanity
SIA - HABITAT FOR HUMANITY
DESIGN COMPETITION

New Ideas for Recyclable Housing
Supported by Lee Foundation

Jointly organised by:





COMPETITION BRIEF, TERMS & CONDITIONS

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1. INTRODUCTION

1.1 "New Ideas for Recyclable Housing" is an architectural design competition organised by SIA in collaboration with Habitat for Humanity, with prize money graciously sponsored by Lee Foundation. It serves as one of the flagship events for promoting the theme of ArchiFest '09: Architecture for Humanity.

1.2 The background of the project is as follows:

"The many natural disasters that the world experiences every year pose a unique challenge to housing solution providers. In most disasters, residential properties will be destroyed, resulting in masses of homeless victims. The immediate response has always been to provide some sort of temporary shelters, typically tents of all shapes and sizes. This is typically followed by the provision of semi-permanent structures like wooden houses, or Styrofoam-sandwiched panel houses. Permanent housing solutions will be implemented many months after the disaster first struck. For example, hundreds and thousands of people in Sichuan now live in rows of Styrofoam-sandwiched panel houses, awaiting for permanent houses to be built.

Habitat for Humanity is an international Christian housing charity, focusing on providing housing solutions to the needy of all race, language, religion or nationalities. It has thus far been focused on providing permanent housing solutions. At the disaster areas in which Habitat operates, it has been observed that there is no connection between elements of temporary and permanent housing solutions. Temporary and semi-permanent structures like tents and wall panels are simply dismantled, and discarded, resulting in great waste of resources, and damage to the environment.

The challenge is to find a design for temporary or semi-permanent shelter unit, which can also be incorporated as part of a permanent housing solution. The material used for temporary or semi-permanent housing solution can thus be recycled into permanent use, resulting in great cost saving, and environmental protection."



2. OBJECTIVES

The key objectives of the competition are:

- a) To create a proposal for a prototype housing that can be implemented on actual disaster relief sites. The primary idea is about the design of a temporary shelter for housing victims post crisis, which can then be later “recycled” (- converted or incorporated) into permanent housing structures for these victims.
- b) To encourage creative and original design ideas for temporary relief shelters that can be adapted as part of the permanent housing solutions; so as to develop purposeful, buildable, mobile and housing prototypes, which address situations stated in Part 1.2, and embrace the spirit of the ArchiFest '09 theme: Architecture for Humanity.
- c) To promote an integrated approach in the design of post crisis shelters that addresses short term fundamental needs, as well as long term sustenance issues in the form of permanent housing solutions, so as to aid emergency situations, as well as support social and community development in a holistic and sustainable manner.

3. ELIGIBILITY

3.1 This is an international competition open to all architects, designers, students and members of the public either individually or as a team.

3.2 The Competition will be administered by:

Singapore Institute of Architects (SIA)

79B Neil Road

Singapore 088904

under *SIA Architectural Design Competition Guidelines*.



4. SUBMISSION REQUIREMENTS

4.1 Each participant or participating team may submit a **maximum of three (3)** entries for the competition

4.2 All entries **must be in English** and accompanied by the following:

a) **Two (2) panels of A1 landscape sheets**, mounted on exhibit-ready 841mm (W) by 594mm (H) white compact-foam panels of not more than 5mm thickness.

b) **One (1)** set of design report comprising

- Reduced A3 size colour copies of the A1 boards.
- Narrative description with a minimum of font size twelve (12), of not more than two A3 sheets.

c) The content of the panels should include :

- Site plan (if any, 1: 200)
- Floor plans (of each 45 sqm housing unit at 1: 50 scale)
- Elevations and sections
- Details (1: 20 scale)
- Axonometric or isometric drawing at any scale
- Photographs of model may also be used
- Artist impressions to illustrate the external image of the building and internal quality of the spaces created by the design
- Explanatory sketches or diagrams as the competitor considers appropriate
- Description of issues like buildability, mobility, durability, and protection against various elements (sun, rain, and wind). Contestants are also encouraged to consider environmentally friendly material and construction techniques.



- d) There is no specific site or context stipulated for this competition. However, if should participants choose to select a site, appropriate information such as site plan and relation to specific physical and climatic conditions of the context should be highlighted.

- e) A CD containing
 - i. Soft copies of drawings and images and photos contained in the panels and design report in high resolution jpeg/tiff format (each at least 300 dpi, A3 size).
 - ii. Photographs of the team members are required too (each at least 200 dpi, A5 size).
 - iii. All text in the A1 and A3 sheets should be attached as text files.
 - iv. Images of A1 Boards submitted (each at least 300 dpi, A3 size).

- f) All panel and report submitted must be anonymous. Submission is to be accompanied by a copy of the Concealed Identification Form that will be forwarded by the return email from the competition secretariat after registration (please email design_competition@sia.org.sg to register). The form is to be duly completed and sealed in a separate unmarked envelope taped to the back of the first A1 board.

5. JUDGING CRITERIA

All entries will be accessed by the appointed judges according to the following criteria:

- a) Creativity and originality in the design how the building structures/material or/and components from the temporary shelter can be “recycled” and re-adapted into permanent housing design

- b) Deploy-ability, buildability, mobility and durability of the proposed design or system



- c) If a specific site is selected, the contextual response of the design; its appropriateness and relevance to the physical, climatic and contextual conditions
- d) Appropriate choice of building materials
- e) Sustainability and environmental concerns
- f) Maintenance issues

6. THE JURY

6.1 The Jury for "*New Ideas for Recyclable Housing*" Design Competition, will comprise the following members:

SIA President (or Representative nominated by President)

1 Representative from Habitat for Humanity

1 Representative from Department of Architecture (NUS)

2 other Architects

6.2 The decision of the Jury is final and shall not be negotiated, contested, reviewed, challenged or appealed against by any party through any means or process whatsoever. The discretion of the Jury to withhold an award is absolute.

7. PRIZES, AWARDS AND EXHIBITION OF ENTRIES

7.1 The total prize money for the competition is USD\$8000, kindly sponsored by Lee Foundation.

7.2 Three top winning entries and five commendations will be selected, and the distribution of the prize money will be at the discretion of the Jury.

7.3 Winning entries, if deemed plausible and buildable, may be submitted for



consideration to be manufactured as actual prototypes for implementation. Selected award winners will then be contacted for further development of design, separate appointment and negotiations.

- 7.4 Only award winners will be notified by mail/email
- 7.5 All submission will be exhibited during the ArchiFest '09.
- 7.6 The Secretariat will take reasonable measures for the safe keeping of the competitor's submissions, but will accept no responsibility for loss or damages however caused.

8. INTELLECTUAL PROPERTIES

All Competition entries are the property of the organisers (Singapore Institute of Architects (SIA) and Habitat for Humanity) and all entries will not be returned to the participants. The organisers reserve the rights to retain any submitted material for the purposes of exhibition, publication, publicity and archives. However, the intellectual copyright will remain with the designer. The applicants acknowledge that the organisers have the right to reproduce materials in whole or part without payment/fees to the holder of publication rights or copyright.

9. PROGRAMME

- 9.1 Launch of Competition *20 Aug 09*
- 9.2 Closing Date for Registration *11 Sep 09*
Queries and answers to be posted onto the ArchiFest website
(www.archifest.sg) by 14 Sep 09
- 9.3 **Closing Date for Submission** ***1 Oct 09***
Competitors' entries to reach SIA by 12.00 noon



9.4 Announcement of winners *05 Oct 09*

9.5 **Award Ceremony** **20 Oct 09**

10. REGISTRATION PROCEDURE AND SUBMISSION DETAILS

10.1 There is **NO participation fee.**

10.2 Registration for "*New Ideas for Recyclable Housing*" Design Competition is compulsory. Registration can be submitted via email to design_competition@sia.org.sg.

Submission of all entries must be made by **1 October 2009 by 12 noon** to:

SIA Secretariat
Singapore Institute of Architects
79B Neil Road
Singapore 088904

At the time of submission, the competitor shall submit a sealed envelope containing the Entrant's Release Form and the Concealed Identification Form, the 2 A1 boards (in Landscape layout) and the report mentioned in Item 4. The envelope shall be opened after the jury has made its decision.

10.3 The 2 A1 boards shall not bear any information, which may reveal the identity of the competitor. Breach of this requirement shall be grounds for disqualification.

11. QUESTIONS AND ANSWERS

11.1 Any competitor wishing to obtain further information on the brief or terms and conditions may send queries in English and in writing by email to the Secretariat at design_competition@sia.org.sg.



Such email shall clearly state “New Ideas for Recyclable Housing” as the subject heading. Only upon receipt of an acknowledgement email sent by the competition secretariat shall the query be officially registered for a response at the Competition Question-and-Answer webpage.

12. DUTIES AND OBLIGATIONS OF PARTICIPANTS AND AWARD WINNERS

12.1 Participation in the “*New Ideas for Recyclable Housing*” Design Competition implies that unconditional acceptance of the contents of the Competition Terms and Conditions

All Entrants are not permitted to publish or have their submission (or any part thereof) published prior to the notification of the Jury’s final decision.

12.2 All announced winners for the competition may be required to participate in media interviews, public exhibitions and show case sessions to present the ideas encapsulated within the design. Failure to participate in these events may be grounds for disqualification.