



COMPETITION TERMS AND CONDITIONS

Endorsed by

CUBE Consultants
TUTERA

Under the Auspices of

Department of Architecture, Faculty of Engineering, Ain Shams University.

PREFACE – Competition Chair



Dr. Ashraf Abdel Mohsen
Founder & Chairman at CUBE Consultants
Associate Professor, Ain Shams University

Our mindsets differ from one to the other; some of us are concerned with getting deeper into history, some go deeper in their current problems while others are concerned about the future and eager to create a better one for current generations and for the upcoming ones. And CUBE is considered to be one of those who are concerned about the future.

Cube Consultants has been established in 1990, started proposing visions for the future since 2004 like; (Giza 2030, Cairo 2050, Egypt 712, the new administrative capital Cairo, Sinai 2030) all of our visions were made towards a better future for each and every person.

Our Egyptian history is inspiring , sometimes I wonder if our ancient civilization's knowledge and technology still exists, like when the Pyramids were built 5000 years ago, what would they have done for humanity now from design & building? What kind of life would they have created on Mars?

Now the world's scientists, astrologists, Engineers and others are researching for means of which we can create life in a new era, a way to have a livable environment on Mars. Many questions came up to my mind like; what kind of settlements can be built up there and how? What civilization could we build and have? What kind of life created within all transferring, environmental and engineering conditions?

We are dreaming about a sustainable environment that could be realized on Mars. So let's think about the designs of Egypt's settlement on Mars.

FOREWORD



Dr. Shaimaa Kamel
Head of Department
Professor, Ain Shams University

In a world busy with resolving its immediate demands and needs, the ability to think futuristically is to move to alternatives. This architectural competition is an opportunity to think big using existing knowledge we have about architecture and its forms. The competition is driven by both a passion to architecture and a passion to Egypt; a stronger and more present Egypt on the architectural international scene. It is also about making a space for Egypt in the future, using innovative ideas of its citizens and experts. We move to new patterns to shape and develop on an extraterrestrial habitation, the planet Mars.

We aim to inspire the future generation of architects through developing creative solutions to challenge existing problems and going further to develop ideas for the future. Advanced research requires both innovative planning as well as creative thinking of the world around us. In this competition, it is also about the planets that surrounds us; depending on imagination and visionary mindsets.

The idea of this competition has been initiated, sponsored and will be driven by Dr. Ashraf Abdel Mohsen, a staff member dedicated to the department and a prominent contemporary Egyptian architect who has undertaken important national and international projects through his firm, Cube consultants. I would like to take this opportunity to extend my gratitude to him for this initiative and to encourage the participation of our students on this exciting journey of innovation. The new environment, at hand, being a new planet presents challenges but with collective thinking and research, I am sure that the results will be ones that will make the architectural community proud and Egypt as well.

All the best to all involved in this competition.

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1 INTRODUCTION

1.1 An Overview

CUBE is pleased to announce the 2018 international design competition for students and fresh graduates from around the world to explore and express their views on the future of Egyptian settlements on Mars through their innovative and visionary proposals.

"Mars Is There, Waiting To Be Reached." -Buzz Aldrin

Mars has exerted a strong fascination over humankind for centuries. People inhabiting the Red Planet might still exist in the realms of science fiction. But today, the human race is edging closer to becoming an interplanetary species as the previous decade has witnessed Mars as the center of attention for becoming a potential new habitat for the earth's future population.

With many visionary organizations and their ground-breaking explorative studies and research, the unseen future of inhabiting the Red Planet is now a real possibility; an opportunity to create a utopian tomorrow, making mankind a multi-planetary species.

This competition is intended to envision a habitat for the first Egyptian colonizers on Mars. It challenges participants to design the future architectural prospect that would define a trend for the architecture of the upcoming human civilization on the Red Planet.

1.2 The Vision

"Life on Mars? Architects Lead the Way to Design for making Mars the second home for humans."

- An out of this world challenge...

It is not enough to just travel to Mars and survive, it is essential to develop a way in which we can sustainably live on Mars. Figuring out how we could be comfortable living on the Red Planet is a challenge.

It's about making Mars livable by completely transforming its environmental makeup through the construction of a human-made atmosphere to understand and solve one of the main problems for a fully breathable and livable Mars.

1.3 The Competition Objectives

The objective of the competition is to propose a settlement complex including at least residential, research center, educational, services and medical units and choose one/all of them to design a detailed prototype according to the following table:

Program Summary

20 Residential Units	150 m ² per unit
Research Center	150 m ² total built up area
Educational Building	150 m ² total built up area
Daily Market	150 m ² total built up area
Medical Unit	150 m ² total built up area

Each competitor is required to select a "Building(s) as part of an Egyptian Settlement Complex on Mars". The proposed design should reflect the Egyptian culture reviving the Ancient Egyptian glory in a way that fits the modern era.

Competitors should also consider the impact of the proposed design on the environment on Mars and outline the deployment and construction of their proposed building/s; accordingly, each competitor shall have a proper understanding of the conditions and challenges of designing a habitable complex for Egyptian Settlements on Mars.

2 COMPETITION RULES AND REGULATIONS

2.1 Organization and Method of the competition

The one-stage competition is open to all junior and senior students and fresh graduates (with a maximum of 3 years of practice) individually and in groups. Competitors shall register online (Registration Form) before the registration deadline stated in the competition timetable.

2.2 Competition Language

The official language for the "*Competition Deliverables*" including all "*Forms, Documents & Report*" to be submitted by the competitor is English.

2.3 Competition Timetable

	<i>Date</i>
Competition Announcement	9 th of November 2018
Registration Deadline	31 st of December 2018
Q & A Closing	15 th of January 2019
Submission Deadline	15 th of February 2019
Public Announcement of Winners	3 rd of March 2019
Press Conference and Opening Exhibition	7 th of March 2019

Winners Announcement will be directly shown up on the competition website. All submitted projects will be posted on the competition website. All award-winning projects will be displayed and winners will be recognized at a press conference followed by various open exhibitions.

2.4 Answers to Queries

All the inquiries regarding the competition terms and conditions must be submitted to the competition organizing committee through the competition website. Only queries received within the designated period according to the competition timetable shall be answered. A list of FAQs will be provided on the competition website afterwards.

2.5 Eligibility

All junior and senior students and fresh graduates (with a maximum of 3 years of practice) are eligible to take part in the competition provided that they adhere to the competition protocol. The following should be provided by the technical coordinator:

Name, e-mail address, phone number, proof of practice/school enrollment and country of origin

Teams up to 5 members are also allowed to apply to this competition provided that at least one of their members - *who must be the technical coordinator of the team* - is an Egyptian. Documentary evidence of the architect's or team technical coordinator's proof of practice should be uploaded in the online registration form. Students should provide evidence of their current enrollment in their school. All competitors are required to register for their participation before the Registration Deadline according to the competition time table.

2.6 Jury Panel

Member names	Title
Dr. Sherif M. Abdelmohsen	Associate Professor, Associate Professor, Department of Architecture, The American University in Cairo (AUC)
Dr. Doaa K. Hassan	Associate Professor, Department of Architecture, Ain Shams University (ASU)
Dr. Ahmed M. Eliraqi	Assistant Professor, Department of Architecture, Ain Shams University (ASU)
Eng. Mohamed Elewa	Executive Design Manager at CUBE Consultants

2.7 Organizing Committee

Member names	Title
Eng. Hebatallah Soliman	Assistant Lecturer, Ain Shams University
Eng. Hossam Hassan	Senior Architect at CUBE Consultants
Eng. Mostafa Saeed	Junior Architect at CUBE Consultants
Eng. Rana Khaled	Junior Architect at CUBE Consultants
Eng. Mohamed Omar	Junior Architect at CUBE Consultants
Eng. Youssef Gamal	Art Director at CUBE Consultants

2.8 Awards and prizes

The total amount of prizes and compensation is 2000 US Dollars and shall be awarded corresponding to the following ranking:

Ranking	Prize
First Prize Winner	2000 US Dollars
Second Prize Winner	1500 US Dollars
Third Prize Winner	1000 US Dollars
Fourth Prize Winner	500 US Dollars

In Addition to Honorable Prizes

Ranking

First Honorable Prize Winner
Second Honorable Prize Winner
Third Honorable Prize Winner
Fourth Honorable Prize Winner

2.9 Documents and Forms Supplied to the Competitors

- Competition "Terms and Conditions", including the vision and objectives of the competition, rules and regulations of the competition as well as the competition timetable and deliverables.
- Forms:
 - Drawing Boards Template Form.
 - Design Report Template Form.

2.10 Preservation of Anonymity

All competition entries must be anonymous. The anonymity of submitted materials shall be maintained until the final decision of the jury.

Each competitor is required to include the code sent after registration process in all the submitted deliverables. Disrespect of anonymity will result in disqualifications.

2.11 Disqualification

Competitors may be disqualified for any of the following reasons:

- Receiving submissions of entries after the relevant deadline stated in the competition time table.
- Disregarding any of the conditions or instructions stated in the competition "Terms and Conditions".
- If any competitor improperly attempts to influence, directly or indirectly, the decision of the jury, technical committee or any consultant of the promoter.

2.12 Evaluation criteria

The Jury will have regard to the following evaluation criteria:

- Design a self-sustaining living space for the initial Egyptian Settlements of the Red Planet.

- Competition entries should apply an imaginative and innovative concept approach.

- The environmental impact of the designs oppose the stark atmosphere of Mars is to be given careful consideration.

- Buildings have to be functional for all the necessary operations.

- The proposed design should reflect the Egyptian culture reviving the Ancient Egyptian glory in a way that fits the modern era.

- Clarifying the deployment and construction of the proposed building/s.

- The use/transportation of the selected building materials.

2.13 Publishing

A press conference will be held after the winners announcement; location will be announced later. Public exhibitions for selected competition entries shall be held for a specified time. Online exhibitions will also be considered for all competition entries. Thus awarded projects can be published by the promoter without author agreement.

2.14 Definitions

- **Team Technical Coordinator:** is given the primary responsibility of coordinating all aspects that go into preparing for the competition including registration, sending and receiving of e-mails, submission,..etc. Competition coordinators make certain that the policies, procedures, and objectives of the competition are followed. The team technical coordinator must be an Egyptian student/fresh graduate.
- **Technical Committee:** the organizing team established by the promoter.
- **Total Built up Area:** The entire built up area covered in the building including common areas on all floors. This is calculated by summation of built up areas of all floors.

3 Submission Requirements and Deliverables

3.1 General requirement

All entries should follow the regulations of identification stated in section 2.10 Preservation of Anonymity.

Deliverables may be presented in black and white or in colors.

3.2 Deliverables:

a) ***Design Report***; containing the following:

The concept, project's analysis and all required information to explain the design of the proposed project. The reports should be in A4 portrait format. The number of sheets should not exceed 20 sheets excluding the cover page and references.

b) ***Drawing Boards***

Maximum of 2 boards (180*60 cm) in portrait format.