OBJECTIVES

The 8th Awards is focused on researching in the field of sustainable and healthy architecture. Beside the main objective this year awards will be focussed on the design of constructions integrated in the landscape, reducing its impact, and finding a balanced relation with the environment.

The proposals must consider designing a gated community in an Environmentally Protected Golf Resort finding new integration rules and obtaining sustainable and healthy solutions. The project must accomplish with a low energy demand following design patterns for reaching a zero energy building.

The social group to whom this project is addressed are foreign people from the north part of Europe, most of them retired, that use houses for long periods and they may have visits from familiars.

LOCATION

The Golf Resort, called Las Colinas, is placed at the southeast part of Spain, within the province of Alicante and belonging to the municipality of Orihuela. It is 4 km inland and inside the natural park of Sierra Escalona.

Within the Golf Resort can be found single-family houses and apartments in blocks integrated in the different ways of the golf course.

Within the limits of the Golf Resort each team can choose their own location attending to orientations, sights and relation with the environment.
**REQUIREMENTS**

The project will consist on designing a gated community inside a plot of 10,000 m² with both single-family housing and apartments in block.

Inside the location 5 single-family houses and a block with 12 apartments must be placed. The total height for the single-family houses is two levels meanwhile for the block the height can be raised to four levels.

Complementary uses must be introduced in the plot as a swimming pool, sports facilities and social equipment.

The built area for single-family houses must be around 200 m². Flexibility of space and the possibility of adapting the house to the different requirements that the family could have, during the year or in the number of persons along their life, will be specially considered. Integration in landscape, low energy measures and healthy solutions are mandatory.

The apartments must have around 100 m². Flexibility of space and the possibility of adapting the house to the different requirements that the family could have, during the year or in the number of persons along their life, will be specially considered. The block must be integrated in landscape and low energy measures and healthy solutions are mandatory. It can have a maximum of four levels and I must have all the equipments mandatory for its operation as elevators, facilities etc.

The proposal must include the plot-level gardening design, water areas and other facilities as sport, social and wellness equipments.

Due to the international nature of this competition, all the proposals must be written in English.

**BUILDING MINIMUM PROGRAM**

**HEALTHY HOUSE**
Maximum built area: 200 m².
Program: Living room, Kitchen, Bathroom, Bedroom, Working place.

**HEALTHY BLOCK**
Maximum built area: 100 m² x 12 = 1,200 m²
Apartments program: Living room, Kitchen, Bathroom x2, Bedroom x2, Working place.

**PARTICIPANT TEAM CHARACTERISTICS**

Participants must work as a team, with a minimum of two members. Proposals developed by students working individually will not be accepted. Teams will consist on the following members:

1. At least one student of Architecture.

2. The participation of students from Technical Architecture, Civil Engineering or Building Engineering will be specially considered.

3. Students from other specialities, Informatics, Chemistry, Financial Studies, Sociology or Telecommunications can be accepted but this option is totally elective. Consultations done to specialists of these fields will be specially considered.
**DOCUMENTS TO PRESENT**

The documents to present will consist on the architectural part of the project (Basic Project), location floor plan, plot plan, different level house plans, elevations, sections and perspectives both from the single-family houses and the apartments block. Only from the apartments block, documents from the constructive part of the project that justify the zero-energy consumption of building must be presented.

- Constructive sections, defining façade and roof typology.
- Energetic Efficiency.
- Efficient water use.
- Domotics applied to sustainability.
- Life Costing Cycle Analysis of materials and building techniques.

Other documents not listed above can be included in the proposal. All the documents needed to explain the proposal must be gathered in a maximum of three A1 panels fixed on a rigid support. A model will be specially considered.

**REGISTRATION**

**SPAIN:** In order to register, the participant teams must send an email applying for participation in the competition to the following email address: antonio.galiano@ua.es. Deadline for registrations will finish April 30th of 2014.

**GERMANY & HOLLAND:** Students interested on participating in the competition must sign in the subject during the period of time defined by the Beuth Hoghschule (Germany) and by the Hogeschool van Amsterdam (Holland). Two weeks later a list with all the participant teams will be published.

**SUBMISSIONS DEADLINE**

**SPAIN:** Deadline for final submission will be on June 17th of 2014. Projects will be delivered at the Departamento de Construcciones Arquitectónicas, office of the lecturer Antonio Galiano, from 9:00 till 14:00.

**GERMANY & HOLLAND:** Projects must be delivered to the responsible teacher at the end of the subject.

**PRIZES**

The jury will choose three finalist projects that will receive 500 euros, one from each participating institution. The jury will grant with 500 euros to the project that, within the three finalist, is considered the best one.

Projects intellectual property will belong to the authors. If Fundacion Marjal would like to use any idea defined in the winning proposal or another, in whole or in part, it will be always used under permission of the authors, signing an agreement, where the economic bases and responsibilities assumed by the team and Fundacion Marjal will be set out.

**JURY**

The jury will be integrated by one professor from the University of Alicante, one professor from the Hogeschool van Amsterdam, one professor from the Beuth Hoghschule für Technik Berlin, the head of Marjal Fundation and a guest Architect.