

MAREVIVO
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CENTRO DI RICERCA
INTERDISCIPLINARE TERRITORIO
EDILIZIA RESTAURO AMBIENTE CITTA'



SAPIENZA
Università di ROMA

ENEA



MINISTERO DELL'AMBIENTE
E DELLA TUTELA DEL TERRITORIO E DEL MARE
SECRETARIATO GENERALE

sole vento e mare

PER LE ISOLE MINORI
ENERGIE RINNOVABILI E PAESAGGIO

Ideas competition 2010

“SOLAR ENERGY FOR SMALL ITALIAN ISLANDS”

Con il sostegno di:
Regione Campania
Comune di Capri
Comune di Anacapri

IDEAS COMPETITION 2010¹

Solar energy for small Italian islands

Article 1

(Promoters and Aims of the Competition)

1. Under article 2 of the Memorandum of Understanding signed on 13 April 2010,
 - *Associazione Marevivo,*
 - *CITERA (Centro di Ricerca Interdisciplinare Territorio Edilizia Restauro Ambiente)*
Università di Roma La Sapienza,
 - *ENEA (Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile),*
 - *GSE (Gestore dei Servizi Energetici – GSE S.p.A.),*
 - *Ministero dei Beni e delle Attività Culturali, Direzione Generale per la qualità e la tutela del paesaggio, l'architettura e l'arte contemporanee* (hereafter referred to as “DG PABAAC”),and
 - *Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Segretariato Generale* (hereafter referred to as “MATTM – SG”),(hereafter collectively referred to as “Promoters”)

invite entries to an international competition which is intended to spur ideas and proposals on innovative solar energy devices, plants or plant systems to be used in the typical setting of small Italian islands, provided that the territory of the selected Municipality does not include more than 15,000 residents on the basis of the latest *ISTAT* census.

2. The competition aims to encourage the search for solutions which succeed in combining the use of systems/plants to generate electric and/or thermal energy from the sun with the protection and enhancement of the distinctive features of the architecture and landscape of small Italian islands. The designs which will best meet the aims of this call for entries will help promote innovation, transfer of knowledge and industrial development of components for new, environmentally sustainable solutions.
3. The call for entries (in Italian and English) is posted on the websites of the promoters and may be downloaded in .pdf format.

Article 2

(Types of Eligible Designs)

1. Any design providing solutions which generate energy from the sun (as per article 1, paras. 1. and 2. above) and integrate with the landscape of small Italian islands.
2. The types of eligible designs shall be as follows:

¹ This is a courtesy translation. In case of discrepancy between the English and the Italian versions, the Italian text shall prevail.

- I. design of a single, innovative, energy-generating object; this object shall have **autonomous expressivity** and integrate or establish a relationship with the local architecture and landscape;
- II. design of a component or a capture element for an energy-generating plant; the component or element, of innovative design or technology, shall be placed (in sequence or individually) in one or more housing units and **integrate with the local architectural heritage**; designs which use components or elements already available on the market and which succeed in blending with the local built environment shall also be considered;
- III. design of a plant system for a specific small island; the system shall cover the energy demand of a wide portion or of all of the island, be optimally sited with respect to the geographic configuration of the island, minimise land use and **harmonise with the local landscape**, as provided by the applicable legislation.

Article 3
(Categories of Entrants)

1. The international competition shall be open to three categories of entrants:
 - a) **Students of architecture, engineering or industrial design or equivalent in their countries.** For this purpose, each entrant shall specify his/her school or university and the year of enrolment.
 - b) **Architects, engineers, industrial designers, professional offices or teams, design firms or equivalent in their countries.** The competition shall be open to persons who are registered with the respective professional boards or persons acting as a company, temporary team or association, provided that they are registered with the respective professional boards or have equivalent qualifications in their countries and are thus authorised to practise the profession and participate in ideas competitions upon the date of publication of this call for entries. Entrants may participate in the competition as individual professionals or in teams; in the latter case, they shall specify the professional acting as team leader.
 - c) **Industrial companies.** Entrants falling under this category shall be registered with the respective board of trade or other applicable board; they shall specify the legal representative of the company.
2. Each entrant (acting individually and/or as a team) may submit one or more designs.

Article 4
(Ineligibility)

1. Designs which have already reached the production stage or have been previously published upon the date of publication of this call for entries (as per the self-declaration to be submitted by the entrant) shall not be eligible for the competition.
2. The following persons shall not be eligible for the competition:
 - members of the jury and their substitutes;
 - members of the technical secretariat referred to in article 9 below;
 - spouses and relatives (of up to and inclusive of the third degree) of the above-mentioned categories;
 - those who have participated in the drafting of this call for entries.

Article 5
(Entries)

1. Each entrant shall submit:
 - a) the entry form and the self-certification form (Annex A) with his/her data;
 - b) the design, prepared in accordance with article 6.
2. The material for the competition may also be submitted in the English language. Annex A shall be submitted in the Italian language.
3. All the categories of entrants shall submit their entries - by mail, by courier or by hand – to the following address of Gestore dei Servizi Energetici, within 6 September 2010 at the latest. No late entries shall be accepted.

Gestore dei Servizi Energetici – GSE S.p.A.
V.le Maresciallo Pilsudski, 92 – 00197 Roma - Italia
(website: www.gse.it)

4. In any case, the date of receipt of the entries shall be certified by the datestamp of receipt which shall be affixed on the parcel by the “Ufficio Protocollo” (record office) of Gestore dei Servizi Energetici; office hours: Monday through Friday (working days), 08:30 to 17:30.
5. The parcel containing the entries shall bear the name and address of the sender, as well as the following wording, including the specification of one of the three types of designs – I, II or III – referred to in article 2 above and of one of the three categories of entrants - a), b) or c) – referred to in article 3 above:

“Concorso di idee – Edizione 2010: l’energia solare per le isole minori italiane – Tipologia progetto: ... - Categoria:...”

(Ideas Competition 2010: solar energy for small Italian islands – Type of design: ... - Category: ...)

Article 6
(Elements of the Design)

1. The design shall consist of:
 - a) 4 plates in A2 format, containing maps, front views, cross-sections and technical details (at appropriate scales), as well as images and, where possible, perspective drawings. The 4 plates shall be modular so as to form a horizontal poster. They may include parts of text with a minimum font size of 14, to be readable at a minimum distance of 1.5 m at the exhibition. Each plate shall be mounted onto a light, rigid, foam core board and be individually readable; the backs of the plates shall be numbered in the following sequence.

1	2
3	4

The set of the 4 plates shall form a coherent presentation.

- b) report of 6 pages (1,500 characters per page), with an exhaustive description of the design, of the innovative criteria used and of the energy-environmental performance achieved; the report, which may include sketches or illustrative drawings to facilitate the reading of the proposal, shall be prepared in accordance with articles 7, 8 and 9 below.
 - c) PowerPoint presentation of the design proposal: the presentation shall summarise the report (maximum 2 slides), as well as the technical and/or photographic material submitted for the competition (max 6 slides).

Article 7
(Features of the Design)

1. The design shall have the following features:
 - a) it shall clearly communicate - through drawings and illustrations - the configuration that has been adopted and its integration with the local architectural setting and landscape;
 - b) it shall provide sufficient details about how it is expected to meet the functional requirements;
 - c) it shall highlight the innovative aspects of the proposed solutions;
 - d) it shall describe the versatility and flexibility of the proposed solution and also show how the product may be used in different and/or modular configurations.
2. The report shall:
 - a) describe how the device or plant may be installed and put into operation, stressing its replicability features;

- b) specify the end uses of the generated energy and one example of practical application of the proposed solution;
- c) make considerations about the feasibility of the submitted design;
- d) describe the energy and environmental performance expected from the system;
- e) provide a tentative assessment of the expected costs.

Article 8
(Design Selection Criteria)

1. Without prejudice to article 2, the design shall be judged in the following priority order of the assessment criteria:
 1. Integration:
 - a) it shall harmonise with the landscape of the small Italian islands where it will be used, with solutions optimising its integration into the local architecture and landscape;
 - b) it shall mitigate the impact on the local environment and community and contribute to reducing reliance on fossil energy sources.
 2. Functionality: it shall be functional to the proposed type of application, namely with regard to article 7, paras. 1. and 2. b).
 3. Innovation: the innovative character shall be given by the originality of application, the mounting/assembly techniques, the type of manufacturing/production and the type of materials used, with preference for eco-friendly, natural or recyclable materials.
 4. Energy Performance: it shall be energy efficient both as regards its active component and the possible effect of its passive component.
 5. Flexibility and standardisation: it shall be modular, easily standardisable and usable in the various scenarios of the reference setting of the call for entries.
 6. Feasibility and ease of installation: it shall be easily manufactured/built, mounted/assembled, maintained, removed and disposed of/decommissioned.
 7. Marketability: it shall be economically competitive, marketable and have a low manufacturing/production cost.
 8. Economic advantages: the economic advantages resulting from the use of the proposed application vs. existing ones (in terms of plant layout, mode of installation, energy generation etc.) shall be described.

Article 9

(Jury)

1. The jury, chaired by MAREVIVO, shall be composed of representatives of the promoters or by their delegates. The jury shall be supported by a technical secretariat co-ordinated by Gestore dei Servizi Energetici.
2. The jury shall take decisions about the results of the ranking (under the assessment criteria referred to in article 8) by simple majority and at its sole discretion. The jury's decisions shall be binding.
3. The jury and the technical secretariat shall usually hold their sittings at the headquarters of Gestore dei Servizi Energetici.
4. The technical secretariat referred to in para. 1. shall also have the task of providing information about this call for entries through the following e-mail address concorsoidee@gse.it
5. The membership of the technical secretariat shall be as follows:
 - Officer of GSE
 - Officer of CITERA
 - Officer of ENEA
 - Officer of "Servizio IV" DG PABAAC

Article 11

(Results of the Competition)

1. The results of the competition, together with the jury's report, shall be posted on the websites of its promoters according to the timeline indicated in article 14.

Article 12

(Prizes, Publications and Exhibition of the Designs)

1. The prizes shall be distinguished into:
 - a) categories of entrants (professionals, students, companies);
 - b) types of designs.
2. The prizes shall be assigned to the categories of entrants and to the categories of designs in the amounts shown in the table below. They shall be awarded during an event (exhibition) open to the public and attended by the jury and the representatives of the promoters of this initiative.

	Categories of Entrants					
	Students		Professionals		Companies	
	1 st place	2 nd place	1 st place	2 nd place	1 st place	2 nd place
Types of Designs						
1 st type (article 2.2.I)	2,000 euro	1,000 euro	4,000 euro	2,000 euro	diploma	diploma
2 nd type (article 2.2.II)	2,000 euro	1,000 euro	4,000 euro	2,000 euro	diploma	diploma
3 rd type (article 2.2.III)	2,000 euro	1,000 euro	4,000 euro	2,000 euro	diploma	diploma

3. The amount of the possibly unawarded prizes (no entrants or no prizeworthy designs) shall be proportionally redistributed within the limits of the total amount of the above-mentioned prizes.
4. In addition to the above prize, GSE shall offer 6-month internships in its Rome offices to the 1st prize winners of the students' category; the internships shall be conducted as part of GSE's activities of promotion and development of renewables and provision of specialist energy services.
5. The designs selected by the jury shall be given maximum publicity in the media: websites, journals and periodicals of the sector and of the institutions and companies involved in the organisation of the competition. In particular, DG PABAAC shall post the winning designs on its website as examples of good practices.
6. ENEA shall - after conducting a further assessment at its sole discretion - offer the possibility of engineering and prototyping the winning idea of the students' category in its research laboratories.
7. The jury reserves the right not to award the prizes if it deems that no design is prizeworthy.

Article 13

(Ownership and Return of the Material Submitted for the Competition)

1. The material submitted for the competition and the copyright and royalties on the submitted designs shall remain the property of their authors. Only the material of the winning designs shall remain the property of the promoters.
2. The promoters reserve the right to put the submitted designs on public display, to publish or allow them to be published for promotion of knowledge on and dissemination of the technologies used.
3. Where a firm, company or industry is interested in putting one of the ideas into production, it shall pay a 4% royalty to the author.

Article 14

(Timeline of the Competition)

1. The competition referred to in article 1 shall have the following timeline:

Start of the competition	13 April 2010
Deadline for entries	6 September 2010
End of assessment of entries	7 October 2010
Publication of the results of the jury	8 October 2010
Prize-winning ceremony	16 October 2010