



PUBLIC IDEAS COMPETITION ANNOUNCEMENT FOR THE CREATION OF THE ZERO WASTE CENTRE AT THE FULL WASTE RECOVERY PLANT OF SAN ZENO, AREZZO



AISA IMPIANTI S.p.A.

sede legale: Strada Vicinale dei Mori, snc – Loc San Zeno – 52100 AREZZO
C.F. e P.IVA 02134160510 - R.E.A. di Arezzo n. 164281 - Cap. soc. €. 6.650.000,00 i.v.
Tel e Fax 0575 998612 – PEC aisaimpianti@pec.it



Art. 1 – Promoter of the competition

The promoter of the public competition is AISA Plant Ltd. , headquartered at Strada Vicinale dei Mori snc - 52100 Arezzo (AR), pec: aisaimpianti@pec.it, website <http://www.aisaimpianti.it>

Art. 2 – Parties admitted to participate- Awards

Any person residing in the European Union (private citizens, companies, associations, non profit organizations, compagnies made up of professionals, schools, consulting firms, etc.), individually or collectively, shall be eligible to participate with the exclusion of AISA Plant Ltd. managers, their spouses, relatives and the like; failure to comply will result in the exclusion from the competition of the single participant or the whole group.

Prizes will be awarded to the first five participants : 1° PRIZE 3.500 euro, 2° PRIZE 2.500 euro, 3° PRIZE 2.000 euro, 4° PRIZE 1.500 euro, 5° PRIZE 1.000 euro.

No reimbursement of expenses, for whatever reason will be given to the participants.

Art. 3 – Contents and aims of the competition

AISA Plant Ltd holds the present competition in order to find ideas aimed at creating the Zero Waste Research Centre (hereinafter referred to as Research Centre) within the premises of the full waste recovery Plant of San Zeno in Arezzo. The Zero Waste Research Centre aims are to do experiments and tests in order to find out technologies and procedures to achieve the following goals:

- enhancement of the circular economy;
- enhancement of the energy from renewable sources;
- fight against food waste
- enhancement of a healthy and sustainable food for men animals;
- massive-scale promotion of the organic agriculture
- massive scale of End of Waste originating products.



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The competition involves building new volumes on several levels placed next to and before the existing buildings. New volumes may be created even if not integrated with the current architectures, leading to the idea of an advanced research centre and representing at the same time the new entrance to the San Zeno technology Hub. The applicant is free to organize the volumes according to his own design ideas guaranteeing, at least, the presence of the following spaces:

1. Experimental workshop for small-scale testing of technologies and environmental practices for the recovery, reuse and production of materials and energy from renewable sources, tests on End of Waste products. The minimum size will be 500 sq.m. with a minimum inner height of 6 metres and it shall be located on the ground floor.
2. Laboratory for Chemical-biological and commodity-related analysis and environmental and agricultural and food trials of a 100 sq.m minimum size.
3. Entrance hall.
4. Auditorium with a minimum of 200 seats.
5. N. 2 teaching classrooms each of one with 100 sq.m minimum area and 2 teaching classrooms each of one with 50 sq.m minimum area.
6. Changing facilities/showers and toilet facilities.
7. Storeroom.

It is moreover allowed the design and redistribution of the existing premises of the area at hand (office building), keeping the following premise unchanged:

- a) Premises where transformers are located on the ground floor; a free space of at least 7 metres must be maintained in front of the premises in order to allow the maintenance of the machinery or alternatively an accommodation accessible from outside shall be provided;
- b) Local UPS and panel room on the first floor;
- c) Ced (DPC) centre and turbine management on the second floor.

Lastly in case of intervention and relocation of the control room currently on the second floor, the control room is to be located close to the ced centre and it will be required to have the window floor surface ratio as required by current legislation.





The area where to perform the intervention is indicated in the documentation that will be handed out during the survey; the applicants will be able to use the whole area or a part of it in order to develop their own project.

Art. 4- Current setting

Cadastral identification : N.C.E.U. (new urban Land Register) Arezzo Municipality Section B sheet 53 parcel 110 subdivision 1

Urban setting: N.t.a. (new implementation techniques) Operation Plan adopted Art.92 Services with built up land use services S5: technological services: they include all activities for the proper functioning of the town and territory such as, by way of mere example, municipal warehouses, ecological islands etc. Urban Planning Regulation: Zone F destined for equipment and installations of general interest Art. 15 Services and equipment for public use

Description current structures: The project will apply to the current office building and the area in front of it. The office building is spread over 3 levels above the ground and one basement and it has a flat roof; there are 2 stairwells/lifts for vertical connections. At present the spaces are divided as follows:

- a) on the basement there are the workshops and storage facilities;
- b) on the ground floor there is a multipurpose hall and the transformers room; the transformers room is accessible from outside to allow the maintenance of the machinery;
- c) on the first floor there are changing and toilet facilities, the panel room and the UPS room;
- d) On the second floor there are the offices, services and control room; next to the control room there is the he ced (DPC) centre and turbine management.

The area in front of the office building is characterized by a wide flat area used as parking lot. The parking lot is part of the area that can be used for the project development.





Art. 5- Technical instructions

The design must meet the requirements of the NZEB (acronym of Nearly Zero EnergyBuilding) that is, buildings with an almost zero energy consumption. The project will be evaluate also according to energy consumption and the use of materials obtained from the recycling industry.

Art. 6- - Application procedure

It is mandatory for the applicants to make a survey at the San Zeno Plant; during the survey the technical documentation in digital format necessary in order to take part in the competition will be handed out. It will be possible to request an appointment for the survey by certified email (PEC) to aisaimpianti@pec.it or to the email address serviziambientali@gestioneambientale.arezzo.it.

Enrolment to the competition is free of charge. Applicants will submit all the documents below specified in one single anonymous white envelope with no signature, logo or brand name, and any other sign by which the printer may be identified, the envelope is to be sealed with duct tape.

On the envelope will be put an alphanumeric string made of 10 characters (letters and/or numbers), chosen by the applicant.

The application form must bear the words “ IDEAS COMPETITION FOR THE CREATION OF A RESEARCH CENTRE ON CIRCULAR ECONOMY WITHIN THE FULL WASTE RECOVERY PLANT OF SAN ZENO IN AREZZO” and it is to be submitted **by and not after 16:30 on 07/09/2020** at the head office of AISA PLANT Ltd., located in Loc. San Zeno, Strada vicinale dei Mori snc, 52100 Arezzo (AR).

Schedule reception from 8:30 until 16:30.

The application must contain, under penalty of exclusion from the competition, 2 anonymous white envelopes (with no signature, logo or brand name, and any other sign by which the printer may be identified), sealed with transparent duct tape or glued on a paper strip) both envelops must bear the alphanumeric string put on the application composed as follow





- **Envelope “1” bearing the lettering “DESIGN IDEA” containing the following projects, with no signature, logo or brand name, and any other sign by which the printer may be identified, but both of them labelled with the same alphanumeric string displayed on the application:**

- A) Summery document illustrating the idea and the project aim. Maximum 1800 characters;
- B) Technical framework describing the project in detail containing at least the following information: detail of surface use, typology of the facades and roofing plan, accesses, choice of colours, used materials, design of thermal, hygrometric, biophysical and optical aspects, energy consumption and supply, rainwater collection system. Maximum 18.000 characters;
- C) Graphic drawings in which at least the following elements are represented:
 - a. maps of every and each level (scale 1:50)
 - b. cross and longitudinal sections (scale 1:50)
 - c. prospects (scale 1:50)
 - d. at least 3 photo insertions, that is rendering on existing photo of the new integrated volumes;
 - e. a hard data storage support (CV-DVD-USB drive) containing all the elaborates in pdf and editable format (doc, for text documents, dwg or ifc for the graphic elaborates). The files are to be saved without data on property and personal information.
 - f. Certificate of carried out inspection.

- **Envelope “2” bearing the lettering “ADMINISTRATIVE DOCUMENTATION” containing the following elaborates:**

- A) The Attached Model “A” of the present announcement, filled in all its parts and duly signed by the applicant (by each and one applicants, in case of joint participation of more subjects) together with identity document of the undersigned;
- B) The current notice signed for acceptance by the applicant (by each and one applicant in case of joint participation of more subjects) on each page.





Art. 7 -Clarifications

Any clarification regarding the competition can be requested by pec at the address aisaimpianti@pec.it or by email to serviziambientali@gestioneambientale.arezzo.it

Art. 8- Evaluation criteria

After the conclusion of the competition the members of the evaluation commission will be appointed and they will proceed to the opening of the Envelope “1” “DESIGN IDEA” ; the commission will judge the design ideas submitted according to the following criteria:

- a) Feasibility
- b) Aesthetic of the building
- c) Environmental sustainability
- d) Adherence to the notice request
- e) Innovation

After the examination of all the envelopes number “1” the commission, in its unquestionable judgment, will draw the provisional ranking.

The commission will then proceed to the opening of the envelopes “2” containing the “ADMINISTRATIVE DOCUMENTATION” of the applicants in order to verify any incompatibilities. Once the feasibility phase is over, the final ranking will be drawn.

The commission’s judgment is final.

It is up to the commission not to award any prizes or to award only some of them if, in its unquestionable judgment, it does not receive appropriate project proposals.

The result on the competition will be published in the company website: www.aisaimpianti.it





Art. 9 - Aquisition of the ownership of award winning projects

With the payment of the prizes of contest AISA Plant Ltd., will acquire the full property of the subjects assignee of prizes with all the consequent exclusive rights of use.

Art. 10-Data processing- Publications

All personal data acquired in the context of the competition will be processed in accordance with current legislation (GDPR)

The competitors authorize from this moment AISA Plant, if the latter will consider it appropriate, to publish the list of participants in the competition, as well as to publish the award projects also pending the award of the prize.

Art. 11.Acceptance of the competition rules

The participation in the competition by the contestants implies the unconditional acceptance of all the provisions of this notice.

Art. 12 – Responsable of the Procedure

The responsible of the Procedure of this Company is the Arch. Giulio Romano.

Arezzo, 22.07. 2020

Prot. n° 4290

The General Manager

(Ing. Marzio Lasagni)

Attached:

-Attached Model "A"

