



ENTRY CRITERIA AND GUIDELINES

2. RUSHLIGHT GROUND AND AIR SOURCE POWER AWARD

Award

Awarded to the entrant who can demonstrate that they have made the most significant contribution towards the commercial exploitation of geothermal power, ground or air source heat pumps

Background

While the opportunities for tapping geothermal reservoirs are often limited, nevertheless there are locations typically outside of main conurbations where heat from the earth's crust can be utilized most effectively. More relevant in an urban setting will be ground source and air source heat pumps which can be considered totally renewable if the power needed to drive the pumps is, for instance, solar or wind derived. With each unit of energy being used, on average about 4 units of power can be produced and the effect of this is multiplied when linked with a suitable distribution system like underfloor heating or other forms of ventilation.

Entrants

Entrants are invited from geothermal power, ground and air source heat pump fields.

Purpose of the award

The award is designed to celebrate and publicise the significant achievements in developing the technology and innovation behind the harnessing of ground and air source heat and temperature differentials. The original concepts and technology have been in existence for a while but it is only relatively recently that it is starting to be a real alternative for consumers. This award can inform the consumer what is happening and what is available and so encourage the further development of the technology so that the decision to switch to ground-sourced energy or install air source heat pumps can be both an environmental and an economic one.

Specific criteria

The key criteria that the judges will be focusing on are:

1. The importance and novelty of the innovation in addressing a specific issue (/20)

2. The “cleverness” of the innovation, which may include either its simplicity or its complexity (/20)
3. The evaluation of the innovation: the bigger the problem that has been solved or the greater the technology advancement that has been made the better (/15)
4. Whether and how the innovation can be replicated, sold or multiplied to increase the beneficial effect for society (/15)
5. Evidence of the efficacy or effect of the innovation (/10)
6. The holistic impact of the innovation on the environment. (/20)

Entry form

The Entry Form has the following sections to be completed:

- **Summary:** This is where you set out a synopsis of what the process or technology is and does. This summary will be used as the descriptor should you be shortlisted
- **Project status:** This is where you explain the stage that the project, innovation or technology has reached.
- **Description:** Please set out under this heading as much detail as you can to make the technology development, innovation or process understood. You can include confidential and commercially sensitive information here and it will be treated as such, provided you mark it as being sensitive.
- **Innovative aspect:** This is where you explain the really clever bit. How have you addressed the problem or avoided the issue or organized the process? Again, please mark “commercially sensitive” or “confidential information” accordingly.
- **Benefits:** This is where the evaluation of the concept will be made. Please include in here as much evaluated detail of the benefits as possible. Examples include some sense of financial benefit, cost savings, price adjustments, expected or achieved sales effects, greenhouse gas emission reductions or other directly attributable benefits of the process or technology. Third party verified data is especially valuable.
- **IP ownership:** Set out here who owns what patents associated with the technology and clarify precisely the development that has been achieved by the applicant organization(s).
- **Additional information:** No form can cater for all eventualities and so this provides space for further explanation or details.

Lastly, if the form does not provide enough space or the questions are not directly relevant, then please send further material as an attachment to your entry email. Up to two attachments can be sent, each one no more than 5Mb in size.