



ENTRY CRITERIA AND GUIDELINES

7. RUSHLIGHT POWERED TRANSPORT AWARD

Award

Awarded to the most significant advancement that has resulted in the commercial development of forms of powered transport for land, sea or air which result in a significantly improved embedded environmental footprint.

Background

There are a number of low emission road vehicles already available on the market for both consumer and commercial uses. Compared with petrol, LPG vehicles typically offer a 10 – 15% reduction in lifecycle emissions of carbon dioxide. The International Council on Clean Transportation have declared that marine diesel fuel has 27,000 parts per million of sulphur compared with 10 to 15 parts per million in road vehicle diesel fuels. Despite this, it can still be argued that shipping is the cleanest way to transport goods per kilometre. While aviation contributes a small percentage of carbon emissions, it is one of the fastest growing contributors to climate change. Airlines have improved fuel efficiency by about 30% over the last 20 years, but still it has been estimated that on average every minute of flying time uses 62 litres of fuel and emits 160kg of carbon dioxide. With one-fifth of all international passengers worldwide on flights that arrive or leave UK airports, the increase in air traffic has resulted in carbon dioxide emissions from UK aviation doubling from 1990 to 2000 and they could double again between 2000 and 2030.

Entrants

This category is open to any organization that has developed a technology or an innovation which advances any form of powered transport for the land, sea or air and which significantly reduces the carbon and other emissions when compared with fossil fuelled alternatives. This category is not open to bioenergy or hydrogen fuel. It does include vehicle development, such as lightweighting, smart transport solutions and power system advancements.

Purpose of the award

The award is designed to celebrate and publicise the significant achievements in developing the technology and innovation behind reduced emission transport. It is also an opportunity to inform the consumer about what is happening and what the options are

and to encourage the further development of and investment in the technology so that the substantial potential to reduce carbon emissions and other pollutants can be realised.

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.