



ENTRY CRITERIA AND GUIDELINES

4. RUSHLIGHT MARINE & HYDRO ENERGY AWARD

Award

Awarded to the most significant achievement in harnessing energy from a marine or inland waterway environment.

Background

Ever since William Armstrong used hydropower to light his house in 1870, the potential of water to generate electricity has been developed. Hydropower and marine energy have not received the same amount of coverage as other renewable energy sources such as solar and wind. Nevertheless, studies have suggested that the marine environment stores enough energy in the form of heat, current, waves and tides to meet world demand many times over. For instance, Scottish Enterprise estimated that 34% of the UK's electricity demand could be met by tidal current generation alone. There are now several organizations testing their full-scale generators in a range of locations including the Pentland Firth, Strangford Lough, the Humber estuary, Wales, Portugal, France and Canada. With some marine devices now generating power for the grid, Wave Hub off Cornwall, testing facilities at EMEC and Narec, and the Severn estuary being seriously considered for a tidal device of some kind (which could generate 5% of the UK's electricity needs alone), marine energy has made big strides in the last few years. The technologies being developed for shallow waters work equally well in marine or inland settings and so these previously separate disciplines are now converging.

Entrants

This category is open to any organization that has developed a technology or an innovation that can contribute to overcoming the significant challenges that harnessing marine energy or hydropower in a cost effective and environmentally conscious way presents.

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 marine and hydro power. It can inform the consumer what is happening and so encourage the further development of and investment in the technology so that its substantial potential 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.