



# ***ENTRY CRITERIA AND GUIDELINES***

## **12. RUSHLIGHT NUCLEAR AWARD**

### **Award**

Awarded to the technological advancement or innovation that has contributed most to the improvement in the environmental impact of nuclear power generation.

### **Background**

Whether decisions are made to put more emphasis on nuclear power, to continue with the existing portfolio of plant or to cease nuclear power generation altogether, it can only be the case that the development of new and existing technology to reduce the environmental impact of nuclear power should be encouraged. Whether it is for new plant to be developed or legacy plant and their related issues, improvements in thermal efficiency, fuel recycling, waste storage and handling have a key part to play now and for many years going forward. Innovation is needed to manage the risk profile of nuclear, including all the radioactive waste concerns. The technologies for new plant using thorium and developing nuclear fusion have long time horizons. In the UK, efforts are being made to invest in the nuclear supply chain and skill base in order to deliver and run the new plant that are planned.

### **Entrants**

This category is open to any organization that has developed a technology or an innovation that has reduced the impact that nuclear power generation has on the environment. It can therefore include fuel preparation and recycling, power generation, waste management and contamination risk control and management.

### **Purpose of the award**

The award is designed to celebrate and publicise the significant achievements in developing new and existing technologies which reduce the impact that nuclear power generation has on the environment. It can also inform the consumer about what is happening and what the options are and so encourage the further development of and investment in the technologies so that the environmental impact can be further reduced for this fuel source.

### **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.