

## Client DWH

We are searching for a novel **combustible heat source** for use in conjunction with a consumer product which should include all or most of the following characteristics:-

### Technical Requirements

- Should reach a minimum of 350°C within 10 seconds and maintain the temperature for 6-15 minutes
- Preferred material has less than 80% carbon/charcoal
- Non-toxic emissions on combustion
- Small and lightweight with volume less than 1.5cc
- Should allow airflow through / around product (gas permeable, fluted design etc)
- Allow high volume manufacture from low cost materials
- Must "light" and then smoulder whilst not sustaining a permanent flame
- Should provide gross heat output in excess of 10kj/g
- Robust and non-friable in production / storage / processing

### Potential Solutions

Although the solution will preferably be ignited by a naked flame or other incandescent material, alternative methods will be considered. Possible solutions could come from various sectors including, but not limited to:-

- Exothermic chemistry applications
- Fuses / pyrotechnics
- Manufacturing processes
- Hand-warmers / heat pads / medical appliances / pain relief systems
- Ceramics (e.g. coals / logs for gas fires)
- Matches
- Defence industry e.g. incendiary devices

Our client is a £multi-billion company manufacturing and supplying a range of consumer products, from sites around the world. With a strong emphasis on new product development and extensive R&D facilities, they are well-placed to further develop promising technologies in order to commercialise these on a global basis.

Products, systems or technologies with IP protection are preferable, but not essential. An option for exclusivity for a given application, however, is strongly preferred. We are willing to explore any reasonable commercial arrangements including supplier agreements, licensing, strategic alliances or other form of partnering arrangements.

Please send preliminary information on any proposed opportunity – including a short description, technical and marketing advantages and initial suggestions on possible methods of co-operation to – Mrs Elaine Rhodes, Operations Manager. Thank you!