

CABOT INSTITUTE

Living with global uncertainty

The Aeolus Wind Powered Vehicle

An Engineering Challenge to Inspire Interest in Wind Energy www.teambr1stol.co.uk

The International Aeolus Race

- Aeolus is an annual international competition, where teams race vehicles powered only by wind turbines.
- Vehicles must travel into the prevailing wind direction and be steered by a single driver.
- Energy storage is allowed, but this must be empty at the start.
- In September 2010, Bristol University became the first entry ever to complete the race using an electrical vehicle.



A Unique Interdisciplinary Design, Research and Manufacturing Project



- Approximately 25 students and staff are involved in the project and work is conducted through undergraduate courses and as an extra-curricular activity.
- Expertise is required from a range of disciplines and technical work is split into 3 main categories; Energy Capture, Motive Power and Lofting & Structures.



- After success at the September 2010 race in Denmark, work is currently underway to develop an improved entry for the 2011 race in Den Helder, Holland.
- For further information about the project, how to become involved, or to join our current sponsors, please visit the website: www.teambr1stol.co.uk

