



Interesting things about Axion Racing and Spirit its autonomous racing vehicle.

- 1) Spirit is the first vehicle in history (01-30-05) to be filmed driving autonomously with people inside.
- 2) One of few privately funded teams. Spends roughly 8 cents for every dollar spent by university teams.
- 3) 1 of only 7 teams to "Completely Qualify" for the 2004 DARPA Grand Challenge. 1 of 4 perfect waypoint runs.
- 4) Team is **not** presently seeking DGC sponsorships, while proving it can beat Boeing, Microsoft & Enesco teams.
- 5) Female Chief Information Officer leads software development for autonomous driving AI coding.
- 6) Axion Racing sells both 2004 and 2005 Team Autonomous Racing Calendars to the general public.
- 7) Axion Racing sells 4 DVD set of entire 142 mile 2004 DGC race route, which includes starting line dirt!
- 8) Patent pending reactive sensor enclosure (RSE) allows autonomous driving in glare, mud, rain, & dust.
- 9) Team has been featured in magazines like Playboy, Scientific American, Fortune, and Road & Track.
- 10) Axion Racing has completed first of five tests for the planned 2011 moon exploration with NASA and MSU.
- 11) Over thirty five people make up the team working at Axion Racing (Axion, LLC), a California based LLC.
- 12) Five high school students are members of Axion Racing and include two hardware engineering students.
- 13) Nine PhDs, from a variety of disciplines, help the team by participating in Axion Racing's Advisory Board.
- 14) Team's artificial intelligence coding deals with items like cross traffic, curve speeds, and area map control.
- 15) The Axion Racing Twins spokespersons represent team in Site Visit Videos, PR events and on calendars.
- 16) Spirit uses sound filters, LADAR, RADAR, FLIR cameras, stereo & RGB camera sensors to drive.
- 17) Axion Racing's general offices are in Westlake Village, CA and the vehicle is kept in San Diego, CA.
- 18) Michigan State University and NASA are working with Axion Racing on the 2013 robotic moon mission.
- 19) The first DARPA Grand Challenge team to have a multilingual web site. Site visited by 135 countries.
- 20) The team's Jeep Grand Cherokee autonomous race vehicle can sit five people very comfortably.
- 21) Axion Racing's autonomous racing vehicle is a 1994 Jeep presently registered and California street legal.
- 22) Team uses a Northrop Grumman LN270 INS and 3D MMW RADAR that can "see" 5 miles ahead of Spirit.
- 23) Media day runs along much of the 2004 DGC route will be provided by Axion Racing, beginning July, 2005.



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