

# i-tec

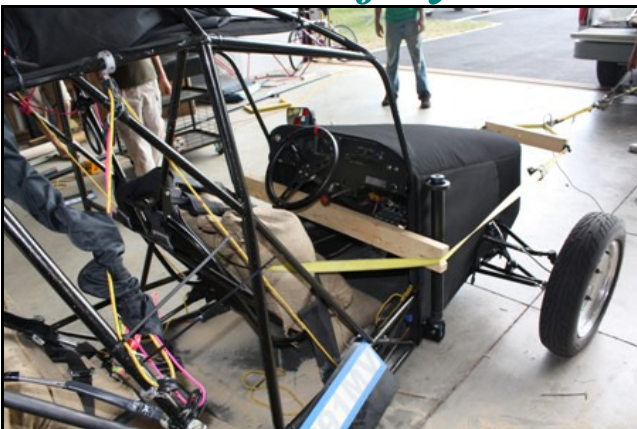
JUL '10 "FLYER"

*1302 Miles to Oshkosh*



The 2010 Airventure is right around the corner! We're preparing the Maverick to make the trek to the annual Oshkosh, Wisconsin Fly-in under its own power this year. No flying car has ever established itself as a dependable ground vehicle, so this will be an ideal opportunity to "test our mettle" during the 1302 mile route. The Maverick heads out Tues, July 20<sup>th</sup> with an ETA on July 23<sup>rd</sup>. There isn't much "outback" between Florida and the huge Wisconsin event; the majority of the trip will be by highway.

## *Seat Belt Safety Test*



One of the required ASTM tests was confirming the integrity of the seat frames and harness. The Maverick was stretched between the forklift and the Diesel Truck.

## *Maverick Under Stress*



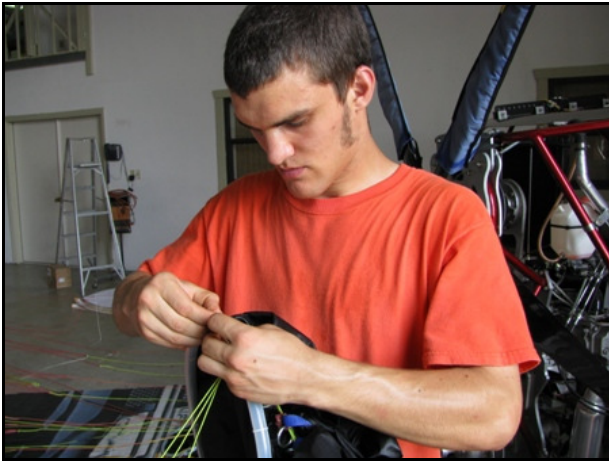
Preparing the prototype Maverick Sport design for production requires satisfying a number of FAA & ASTM regulations and completing piles of necessary paperwork. Meeting the requirements for Light-sport aircraft has meant that we strap the Maverick's chassis to the earth, and pull upwards on the chute support system with over 5000 pounds of force to test it structurally. A special scale was used and the vehicle held solid, passing the test. Also during the month, the flying car received its license from the Department of Motor Vehicles.

## *The Drop Test*



Sandbags were added to make the chassis weigh beyond its allowable gross weight. Then the Maverick was raised above our cement floor and the rope was cut. After dropping, the Maverick was examined for structural failure. (The Maverick passed the test with flying colors)

## More Summer Interns



Adding to our busy group, Deron Weaver came back for his second summer's internship at i-tec. Deron is a fifth year engineering student at Letourneau University (Texas). He continues to work on upgrading the Maverick's chute deployment system and helping with other Maverick engineering projects.

## New Presentation Room



This summer, we knew that we had *so* much to do and *so* little space to do it, that we dismantled the i-tec Tour Room, and set up work stations in its place. The front room is our new "Presentation Room" where we can show some of the displays we've collected over the years. We added a large screen monitor to show i-tec videos during scheduled tours and field trips. Steve dubbed the new back office the "Imagineering Room." It now houses seven work stations and a project table.

## "Collapse the Chute" Test



Another FAA requirement was to take our parachute "wing" up to cruising speeds, purposefully collapse it, and document its recovery process. To perform this test, we loaded the trailer with 6,000 lbs of ballast sandbags to keep it on the ground.

## Parting Thought

Create momentum; It is impossible to steer a parked car.

-Pastor Steven Davey

**This ministry is possible only through the faithful support of God's people.**

i-fly

i-tec

10575 SW 147<sup>th</sup> Circle  
Dunnellon, FL 34432  
352-465-4545

i-see

i-med

[www.itecusa.org](http://www.itecusa.org)  
[itec@itecusa.org](mailto:itec@itecusa.org)

i-dent

i-fix



## Behind the "Seens"



A benefit of living in Florida-  
We didn't have to go very far  
to find sand for our sandbags.