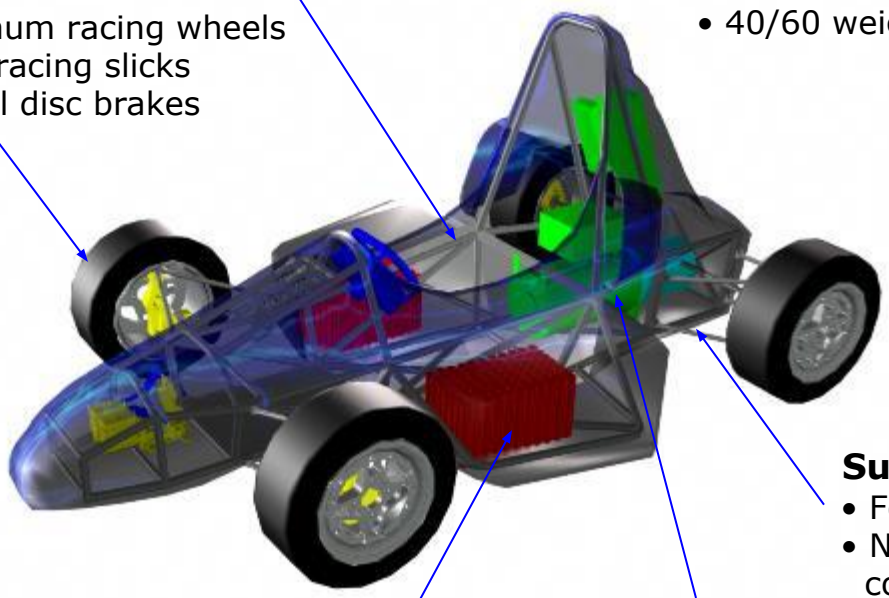
Florida Tech MOTORSPORTS 2007 • REV

Leading the development of the first Florida Tech Racing Electric Vehicle

Frame
- FEA-optimized AISI 4130 steel space frame
- Fiberglass body

General
- Single seat, open wheel Electric racecar
- 500lbs, without driver
- 66-inch wheelbase, 48-inch front track, 45-inch rear track
- 40/60 weight distribution

Wheels and Tires
- 13” aluminum racing wheels
- Goodyear racing slicks
- Four-wheel disc brakes



Performance
- Motor: 127 ft-lbs of torque at motor
- 6,000 RPM redline
- 85mph Top Speed
- **0-60 mph: 3.5 sec**

Suspension
- Four-wheel independent suspension
- Non-parallel, unequal length A-arms, with coil over dampers

Power Source
- 450 Lithium Ion Batteries
- Lithium Ion – 70 A, 3.3 V
- 50 Series, 8 Parallel
- Custom Battery Management System

Powertrain
- 72.5 Peak HP, 144 Volt WarP 9 Motor
- Student-programmed control module
- Limited-slip, 4.375:1 reduction differential

Florida Tech MOTORSPORTS 2007 • REV

Leading the development of the first Florida Tech Racing Electric Vehicle

The 2007 Florida Tech Racing Electric Vehicle is a single seat, open wheeled, pure racing machine designed to show the competitiveness of electric power. Our team of student engineers is quickly working though the design towards building this amazing vehicle. We hope to start construction in a mere few weeks, but for it to be successful we need significantly more sponsorship.

Contacts

Elizabeth Diaz – Team Captain

(321) 759-6453 eceran@fit.edu

Joshua Wales – Systems Integration

(321) 720-2158 jwales@fit.edu

Matthew Reedy – Electrical Lead

(904) 338-2312 mreedy@fit.edu

http://my.fit.edu/rev/