

THE TWO WHEEL DEAL

"Like walking, only better!"

Project Summary

- Personal transportation vehicle
- Two wheel balancing device (Segway)
- Power: Sealed lead-acid 12V batteries
- Inputs: Tilt/Rate sensors
- Outputs: Motor Controllers,
DC motors, LCD screen

Project-Specific Success Criteria

An ability to...

- independently control two electric motors
- shutdown if low battery or no rider
- display crucial data on LCD screen
- balance a passenger with no intervention
- navigate vehicle using appropriate controls