Introduction

• The car of today:
  • is driven 85% of the time alone
  • has pollution and parking problems
  • is 20 times as heavy as we are
  • wastes 80% of the energy

• The world needs innovative transport!
Research project

- Solution: cutting the car in half, maintaining safety, comfort and mobility
- Fully electric, fully enclosed motorcycle
- Stabilized using two tilting gyroscopes

Challenges
Challenges

• Coupled design problem

• What to optimize?

• Gyroscope control during steering, slopes, cross winds, shifting passenger weight

Future perspective

Combining the comfort and safety of a car with the eleganc and maneuverability of a motorcycle.

..while being incredibly energy efficient!

Thank you for your attention