Wireless helmet with head up display, turn and brake indicators, MP3 player, and interactive menu

The Road Warrior motorcycle helmet increases the safety margin of the rider by increasing their personal awareness and visibility to other drivers

The IHS system consists of two microcontrollers:
- Motorcycle - Data Acquisition, and signal processing
- Helmet - Process signals from Xbee module, and output to display and indicators

Motorcycle Module:
- Parallax Microcontroller
- Xbee Wireless Module
- Hall Effect Sensor
- Implement rear view camera
- Implement Bluetooth phone interface
- Implement GPS on head up display