

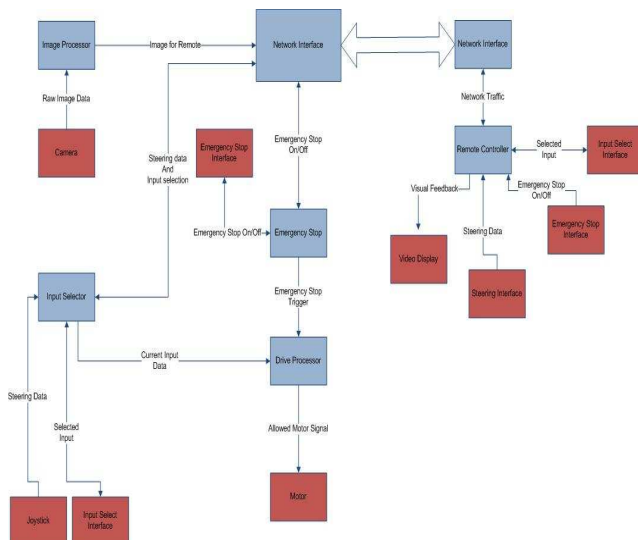
PRESENTATION AGENDA

- Introduction
- Description of Solium Remote Assistance System
- What Products Solium offer
- Main concerns and safety features built into the system
- Potential uses of the system
- Demonstration and explanation of the System.



INTEGRATION THREAD

The demo will show the complete functionality of Solium's integration thread.



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“Individuals with mobility difficulties should not be limited by their handicap. It is our goal here at Solium to give families the ability to safely aid those when they require it, without taking away their independence.”



SOLIUM REMOTE CONTROL WHEELCHAIR SYSTEM

WHY SOLIUM?

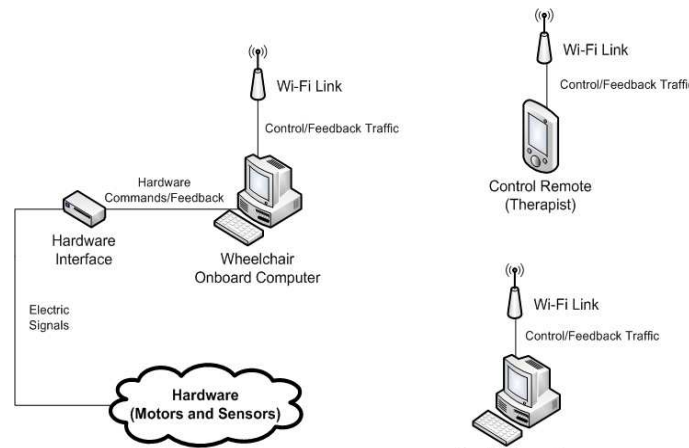
The overall goal of the Solium Wheelchair system is to be a multifunctional multi-purpose mode of transportation for those in need. This system is designed to not only increase ease of mobility but to also improve quality of life.

The product can be implemented in several different fashions to serve several different types of people. Some possibilities are:

- Remote Operation
- Drivers Education (for new operators)
- Follow the Leader
- Automatic Travel
- Chair Retrieval



PRODUCT ARCHITECTURE

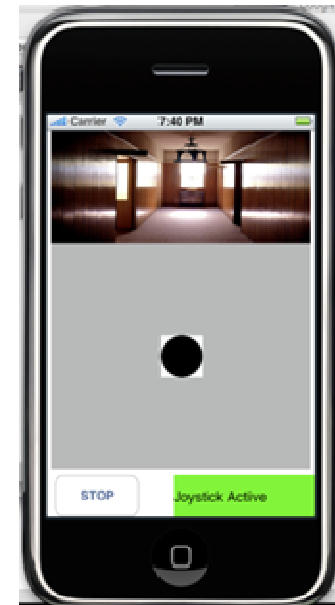


The Solium wheelchair will be equipped with multiple sensors that will allow it to detect its proximity to other objects such as walls, people, and/or stairs. Along with the sensors, there will be an onboard computer that will use Wi-Fi to receive movement control and feedback. The onboard computer will communicate with the underlying wheelchair hardware to carry out movement. The sensors will continuously send signals to the computer telling if the path ahead is clear or not. If the path is obstructed or is dangerous, the wheelchair's movement will be suspended. Multiple types of remotes will be able to control the wheelchair by interfacing with the onboard computer.

USER INTERFACE

Solium offers multiple control options, depending on the needs of the user and the existing infrastructure in the area where the system will be operated.

The system can be controlled using many different protocols, including Wi-Fi and plain radio communications.



The onboard camera will be able to inform the operator of the area around the wheelchair, improving the safety of their driving decisions.

The current remote options are local radio control joystick, Wi-Fi control from a central computer,

and wireless control from a smart phone/PDA/