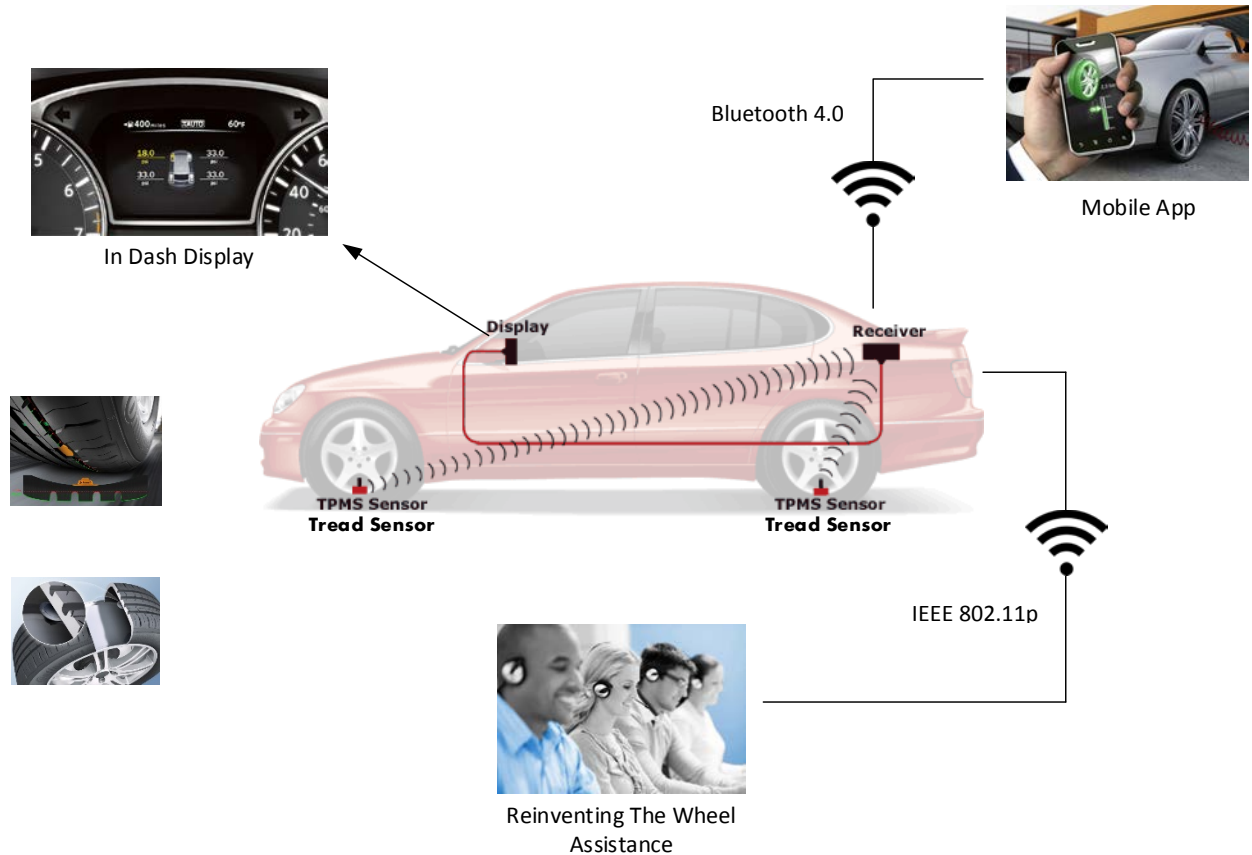


Technological Infrastructure



Tire Sensor Technology

- Tire Pressure Management System (TPMS) and Tread sensors can transmit data to In Dash Display, mobile phone via an application, and Reinventing the Wheel customer service assistance.
- TPMS tracks the tire pressure of each tire and will alert the user when pressure drops.
- Tread sensors will monitor tread wear by alerting users when the tread reaches low level threshold
- The sensors transmit data to the receiver through Radio Frequency Identification (RFID) which transmits the information via various technologies.

In Dash Display

- Connected directly to the receiver, the display is able to detect and monitor tire pressure and tread wear in each tire.
- As demonstrated above, the display will show tire pressure readings and percentage of tread wear left before reaching low level threshold.

Mobile App

- As you approach your car, the receiver will send the collected data to your mobile app via Bluetooth 4.0.
- The app will display the car and four tires, providing you with the same readings as the In Display.

Service Assistance

- The receiver is equipped with IEEE 802.11p transmitters to send tire pressure and tread data wirelessly to assistants at Reinventing the Wheel.
- Assistants will monitor tire pressure and tread wear and alert drivers when thresholds are reached.
- Assistants will use preventive measurements to notify drivers of potential dangers before reaching thresholds.
- Appointments will be made to rectify problem before the potential of a blowout.