IOT vehicle monitoring system

I will present an idea of product (solution) for vehicles ral-time monitoring and maintain management. This solution can be used in taxi vehicles to provide greater efficiency of maintaince or automobile manufacturer can monitor the state of their vehicles to improve performances and get loyal customers.

Main componets of this IoT product are:

- *Physical* components: vehicle components (engine, breaks, etc.)
- *Smart* components: the sensors, monitoring software, screen displays, etc.
- *Connectivity* components: WiFi, Bluetooth, GPRS, EDGE, 3G, 4G, ...

Different kind of sensors and applications are embeded in vehicle to monitor engine, break units and other physical components. Drivers can monitor the state of engine and other physical component of vehicle on touch screen display embeded in control board. Information between sensors and touch screen display can be exchanged using some PAN (Personal Area Network) such as bluetooth or some wired technologies. This could enable better monitoring and driver will notice if there is a need to do some repairs. This will improve maintaince of vehicle.

Conectivity components enable to exchange information between sensors and touch screen display as well as with manufacturer control center. This enable any vehicle to be connected any time at any place by using different communication technologies. This will alow better vehicle control: drivers and manufactures will know the state of vehicles physical components and this could also alow manufactures to contact vehicle owners if there is a need for some maintaince or repairs.

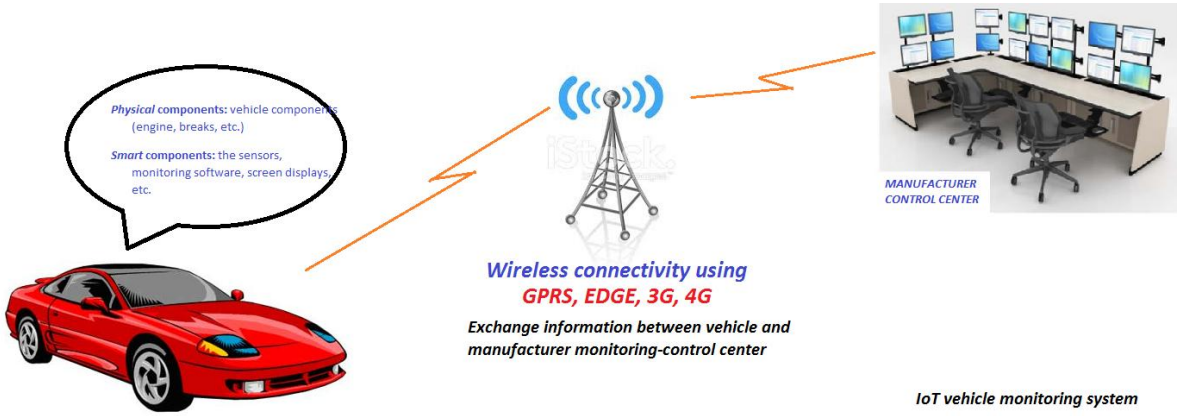

Figure. IoT Vehicle monitoring system