Project proposal document

The Imbeciles

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Background

Radio frequency identification (RFID) is a generic term that is used to describe a system that transmits the identity (in the form of a unique serial number) of an object wirelessly, using radio waves. It's grouped under the broad category of automatic identification technologies. RFID is designed to enable readers to capture data on tags and transmit it to a computer system - without needing a person to be involved. A typical RFID tag consists of a microchip attached to a radio antenna mounted on a substrate. The chip can store as much as 2 kilobytes of data. For example, information about a product or shipment - date of manufacture, destination and sell-by date - can be written to a tag. To retrieve the data stored on an RFID tag, you need a reader. A typical reader is a device that has one or more antennas that emit radio waves and receive signals back from the tag. The reader then passes the information in digital form to a computer system.

[http://www.rfidjournal.com]

Project goals

We have two main goals:
1. We wish to produce a document which is of use to those who are interested in this research area. Espescially we want to take a close look at the Case with "Oslo Sporveier".
2. Attain knowledge of this area within the group, as well as gain important domain information about new technology.

In what context is RFID useful to the general public? Are there any other context than the ones that are the most apparent? As an example we could look at what implications this technology will have on the environment:

RFID could have a positive impact on our environment by greatly reducing waste. The main reason many companies want to use RFID is to better match supply and demand and to make sure that products are where they are supposed to be. If successful, there should be fewer products that are thrown away because no one wants to buy them or they pass their sell-by date (it's estimated that 50 percent of all food harvested in the United States is never eaten).

The concept of mobility

We want to draw lines from research on the different concepts within the mobility domain, and our perception of this technology.

Questions we hope to answer with this project are:
1. Will this technology make everyday life easier?
2. Will this technology make existing processes more efficient?
3. Will the technology give rise to new areas of usage?

4. How much time and attention will this technology consume?
5. Who are involved and affected?
6. Who will profit the most from this?
7. Who makes the premises?
8. Why would a company such as Sporveien want to implement this technology?
9. Why would an institution such as "Deichmanske bibliotek" want to implement this technology?
10. - Why is a company such as Telenor researching on this technology?
11. - Why is a company such as Nokia researching on this technology?

Milestones

Project Proposal Document: 9th February

MidReport : TBD (9th February)

Final Report : TBD (9th February)