TSMW

Interim Report on the Project's Progress

Dear Customer,

we'd like to present you the information about our current progress. Please let us know if there are any questions or remarks on the recently made decisions or on the progress itself.

Recent Activities

The recently completed activities include:

- Refinement of the Scope according to our most recent agreements (see the email, 7th April, 2017)

- Refinement of the final Requirements according to you feedback

- Finalisation of the market analysis regarding the competitors on the market as well as regarding the available hardware parts

- Finalisation of System Analysis including the gained knowledge from your last feedback form

- Finalisation of the needed algorithms' analysis

- Creation of improved skins for day- and night-mode

- Implementation of the data storage

Current Timeplan

Unfortunately, as you were informed by the email of the 13th April 2017, we ran into some problems regarding the implementation of the data storage. These problems, causing an initial delay of 3 days on this tasks, could now be overcome. Since the implementation of the depending systems could nevertheless be continued with only little overhead of abstracting the real data storage, the total delay is

currently only about one day and will be compensable by time buffer we included in our project plan.
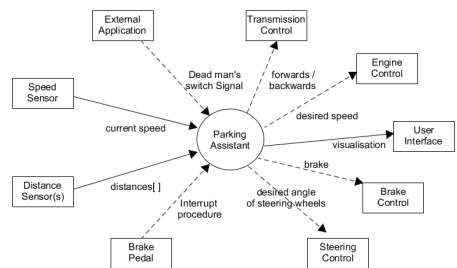
Cost Estimation for a Hardware - PoC

As you required, we made an estimation about the costs to create a Hardware-PoC. Please let us know if you are interested in the justification of the used components.

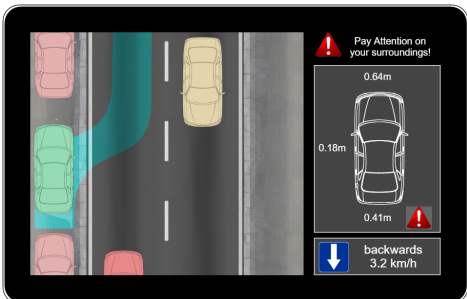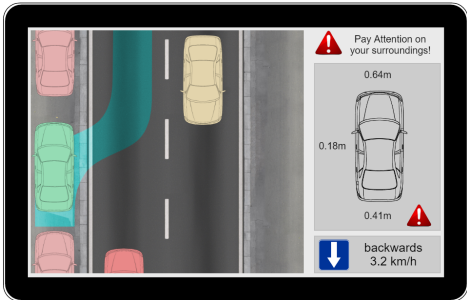| Part	Costs
2x 32KM NTSC	63.90$
4x LV-MaxSonar-EZ1	93.44$
1x Arduino Mega 2560	37.18$
Total	194.52$

Final Results of the System Analysis

The context of the system is depicted below. It shows you all the systems that we expect to get input from and all the components we plan to actuate. If you need further insights into the analysis we conducted, we will send you the complete analysis in a separate document.

Improved Skins

According to your feedback, we improved the available skins of the system. In addition to the first presented skin, we created a brighter skin that might be used in the day-mode. We also included your feedback regarding the simplification of the outputs and extended the area where the relevant sensor information is represented.

Next Steps

Our next steps will be the final inclusion of the data storage as well as the enhancement of testing. In parallel, we will refine the current documentation and prepare the review / presentation of the developed product.