Project Title

Bicycle Probe



Sponsor

Despite the team's efforts to contact companies, the project of having sponsors failed.

Project Summary

The goal is to design, create, and test a prototype of a bicycle probe. The verb “to probe” is according to the Cambridge dictionary, “to examine something with a tool, especially in order to find something that is hidden”. The goal of the sensor we are going to build is to get information about the air quality while the cyclist is driving his bike. In the meanwhile, the bike has to ensure the security of the cyclist. This smart bicycle will help build a community system in a specific city around air quality issues. It will also help the cyclists deal with safety issues like for example, signalisation to the cars and other road users.

The project requirements are:

- Use or reuse low cost hardware solutions;
- Use open source software;
- Comply with the following EU Directives:
- Machine Directive (2006/42/CE 2006-05-17);
- Electromagnetic Compatibility Directive (2004/108/EC 2004 12 15);
- Low Voltage Directive (2014/35/EU 2016-04-20);
- Radio Equipment Directive (2014/53/EU 2014-04-16);
- Restriction of Hazardous Substances (ROHS) in Electrical and Electronic Equipment Directive (2002/95/EC 2003-01-27);
- Mandatory adoption and use of the International System of Units (The NIST International Guide

for the use of the International System of Units)
- Use open-source software and technologies.

Participants

Institution: Instituto Superior de Engenharia do Porto
Team 4:
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Contents

Project Planning: Deadlines, Tasks, Gantt chart, Task allocation

Logbook: Weekly Report, Meetings, Activities

Report: Report

Deliverables: Links to all deliverables

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Utilities

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* [[http://www.epswiki.dee.isep.ipp.pt/doku.php?id=wiki:syntax| DokuWiki Syntax]]
* [[http://www.dokuwiki.org/screencast|Videos on how to use DokuWiki]]
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