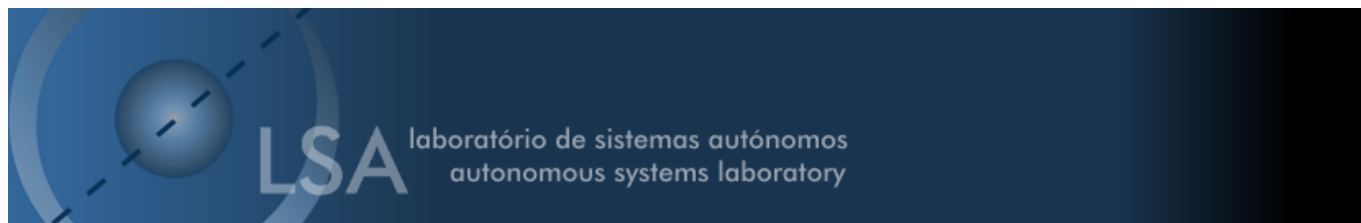


Project Title

Environmental Buoy/Regatta Beacon

Sponsor



Project Summary

The goal is to develop and design an electronic buoy which is recording, storing and broadcasting all relevant data.

The project requirements are:

1. Support structures for the sensors, control and power systems
2. Power autonomy
3. Wind, water, position, camera, etc. sensors
4. Wireless communication
5. On board data storage
6. Web-based user interface
7. Display over Google Maps
8. Comply with the following EU Directives:
 1. Machine Directive ([2006/42/CE 2006-05-17](#));
 2. Electrical Safety: Low Level Voltage Directive ([2006/95/CE 2006-12-12](#));
 3. Restriction of Hazardous Substances (ROHS) in Electrical and Electronic Equipment Directive ([2002/95/EC 2003-01-27](#));
9. Mandatory adoption and use of the International System of Units ([The NIST International Guide for the use of the International System of Units](#))
10. Use open source technologies.

Participants

Institution: Instituto Superior de Engenharia do Porto

Group N.: 3

Students:

- Bennet Möller

- Emil **Konrad** Wlazlo
- Mateusz Tarkowski
- Toon Van den Bleeken

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Client:

- Prof. Eduardo Silva, [Autonomous Systems Laboratory](#) and DEE, ISEP (eps 'at' isep 'dot' ipp 'dot' pt)

Contents

Work Plan: [Deadlines, Tasks, Gantt chart, Task allocation](#)

Logbook: [Weekly Report, Meetings, Activities](#)

Report: [Report](#)

Deliverables: [Links to all deliverables](#)

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Utilities

- [DokuWiki Syntax](#)
- [Videos on how to use Wikidoku](#)

Acknowledgements

- Prof. Eduardo Silva, [LSA](#) and DEE, ISEP (client and sponsor)
- Prof. Fernando Ferreira, DEM, ISEP (stainless steel structure)
- Prof. João Paulo Baptista, [LSA](#) and DEE, ISEP (microcontroller)
- Prof. Mário Alvim, ISEP and [ALTO – Perfis Pultrudidos, Lda.](#) (fiber glass)
- Eng.º Vítor Costa Cerqueira, DEE, ISEP (wiki installation and management)
- Prof. João Correia Lopes, DEI, FEUP (wiki template)

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