

Project Title

Level/Weight Monitoring System for Oil Tanks ()

Sponsor

SOPSEC, S.A.

Project Summary

The goal is to develop a level/weight monitoring system for a real world waste oil container.

The project requirements are:

1. Monitoring system that sends automatically alert messages when it is almost full;
2. A sensor capable of measuring the level of the oil inside the Waste Oil Storage Tank;
3. Local user interface (LED, level indicator, etc.) and a Web user interface;
4. Wi-Fi / GPRS communication;
5. 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](#));
6. Mandatory adoption and use of the International System of Units ([The NIST International Guide for the use of the International System of Units](#))
7. Use open source technologies.

Participants

Institution: Instituto Superior de Engenharia do Porto

Team N.4:

Students:

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

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

Report: [Report](#)

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Utilities

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

Acknowledgements

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