

Project Title

Aquaponic System II: The Monitoring

Sponsor



Project Summary

The goal is to construct a remote control and visualization via a mobile device of an aquaponic system with a 0.72 m² plant bed and a 700 l aquarium including a food dispenser, a camera as well as temperature and conductivity sensors. The budget should not exceed 250 €.

The project requirements are:

1. Use of low cost hardware solutions
2. Use of open source and freeware.
3. 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](#));
4. Mandatory adoption and use of the International System of Units ([The NIST International Guide for the use of the International System of Units](#))

Participants

Institution: Instituto Superior de Engenharia do Porto

Team N. 4:

Students:

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Utilities

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

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