

The GreenHouse



Sponsor



[Instituto Superior de Engenharia do Porto](#)

Project Summary

The project requirements were:

1. Design, develop and test a small/medium scale greenhouse. The target user segment and the full set of device requirements are to be defined by the team based on the marketing, sustainability and ethical analyses as well as on the needs of the client.
2. Comply with the following EU Directives:
 1. Machine Directive ([2006/42/CE 2006-05-17](#));
 2. Electromagnetic Compatibility Directive ([2004/108/EC 2004 12 15](#));
 3. Low Voltage Directive ([2014/35/EU 2016-04-20](#));
 4. Radio Equipment Directive ([2014/53/EU 2014-04-16](#));
 5. Restriction of Hazardous Substances (ROHS) in Electrical and Electronic Equipment Directive ([2002/95/EC 2003-01-27](#));
3. Mandatory adoption and use of the International System of Units ([The NIST International Guide for the use of the International System of Units](#)).
4. Use open source software and technologies.
5. Keep construction costs of the prototype under 150.00 €.

Participants

Institution: Instituto Superior de Engenharia do Porto

Team N. 4

Team name: Pinguim

Students:

- Alisson Calderon
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- Christophe Hopchet
- Cristina Grabulosa Olivé
- Mathias Roeper

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Utilities

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

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