

Vertical Farming

Sponsor

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Project Summary

The goal is to Design, build and test a modular and sustainable system for vertical farming in urban spaces.

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.

The project requirements:

- Modular
- Adaptable to different size areas
- Use low cost hardware solutions
- 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](#))
- Mandatory adoption and use of the International System of Units ([The NIST International Guide for the use of the International System of Uni](#))
- Use open source software and technologies

Participants

Institution: Instituto Superior de Engenharia do Porto

Team 1.:

Students:

- Anastasia Sevastiadou
- Andres Luts
- Audrey Pretot
- Mile Trendafiloski
- Rodrigo José Basurto Barbero
- Szymon Błaszczuk

Panel of Supervisors:

- Jorge Justo (j fj 'at' isep 'dot' ipp 'dot' pt)
- Maria Benedita Malheiro (mbm 'at' isep 'dot' ipp 'dot' pt)
- Maria Cristina Ribeiro (mcr 'at' isep 'dot' ipp 'dot' pt)
- Manuel Silva (mss 'at' isep 'dot' ipp 'dot' pt)
- Paulo Ferreira (pdf 'at' isep 'dot' ipp 'dot' pt)
- Pedro Barbosa Guedes (pbg 'at' isep 'dot' ipp 'dot' pt)

Client:

- N/A as of now

Contents

Project Planning: [Deadlines](#), [Tasks](#), [Gantt chart](#), [Task allocation](#)

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

Report: [Report](#)

Deliverables: [Links to all deliverables](#)

Contacts

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Utilities

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

Acknowledgements

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