

Project Title

Scale Model of an Igloo/Shelter for an Outdoor Aquaponic System

Sponsor

<https://www.isep.ipp.pt/>

Project Summary

The goal is to design and build a scale model of an inexpensive, modular, stylish and functional igloo/shelter for the practice of aquaponics, converting these areas into pleasant and sustainable fresh food producing sites. The model must be accompanied by an economic study of the costs and possible return of the end product.

The project requirements are:

- Use of low cost hardware solutions;
- Use of open source and freeware technologies;
- Comply with the following EU Directives:
 - Machine Directive ([2006/42/CE 2006-05-17](#));
 - Electrical Safety: Low Level Voltage Directive ([2006/95/CE 2006-12-12](#));
 - 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 Units](#))

Participants

Institution: Instituto Superior de Engenharia do Porto

Team 2.:

Students:

- Adriana Jurado
- Mateusz Bartniak
- Pawel Jankowski
- Reelika Martoja
- Roland Esenszki
- Severin Bernreuther

Panel of Supervisors:

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Client:

- Abel Duarte

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

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

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Deliverables: [Links to all deliverables](#)

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Utilities

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

Acknowledgements

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