

Project Title

Solar Algae Dryer

Sponsor

SOPSEC, S.A.

Project Summary

The goal is to develop and design a solar algae dryer which will remove water from an algae-water solution.

The project requirements are:

1. Use solar power for drying process and as a power source
2. Not harm the components of the algae in the process
3. System has to be smaller than 1 m²
4. Compliant with the 2006/42/CE 2006-05-17, 2005/95/CE 2006-12-2

and ROHS EU Directives

1. 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](#));
2. Mandatory adoption and use of the International System of Units ([The NIST International Guide for the use of the International System of Units](#))
3. Use open source technologies.

Participants

Institution: Instituto Superior de Engenharia do Porto

Team 1:

Students:

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Additional Guidelines:

- [2008 ASHRAE Environmental Guidelines for Datacom Equipment](#)

Contents

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

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

Report: [Report](#)

Deliverables: [Links to all deliverables](#)

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Utilities

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

Acknowledgements

- [SOPSEC, S.A.](#)
- Prof. João Correia Lopes
- Eng.º Vítor Costa Cerqueira

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