Instituto Superior de Engenharia do Porto

EUROPEAN PROJECT SEMESTER – EPS@ISEP
PROJECT DESCRIPTION

Team:	**1**
Proposal:	**P16**
Semester:	**Spring 2013**

TITLE	Solar Dryer

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SHORT DESCRIPTION	
Objective	Design and development of a solar dryer for microalgae retrieval.
Requirements	– Capacity: 5 l of algae solution; – Sensing system (temperature sensor, level indicator, ?); – Power system (solar panel, batteries, mains): autonomy ? h); – Control system based on the solution temperature, solution level, ?: stop (how?), alert (how?), red/green light indicator, ?; – Reuse existing parts (containers, controllers, LED, etc.); – Compliant with the 2006/42/CE 2006-05-17, 2005/95/CE 2006-12-2 and ROHS EU Directives.

RELEVANT DATA
Maximum budget:

ACADEMIC SUPERVISORS	António Ferreira da Silva (AFS), Manuel Silva (MSS), Maria Cristina Ribeiro (MCR), Nídia Sá Caetano (NSC), Paulo Ferreira (PDF), Pedro Barbosa Guedes (PBG), Benedita Malheiro (MBM)

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