



Europass Curriculum Vitae

Personal information

Surname(s) / First name(s) **Afonso Sarmento Pires, Eládio**

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Nationality Portuguese

Date of birth 11.07.1982

Gender Male

Education and training

Dates Currently in the 5th of 5 years undergraduate course (conclusion foreseen – July 2007)

Title of qualification awarded Undergraduate in Electrical and Computers Engineering – Automation, Control and Industrial Electronics

Academic Internship

- Company: **Grohe Portugal**, Componentes Sanitários, Lda – Albergaria-a-Velha
- Scope: **Lean Manufacturing → Continuous improvement**
- Milestones:
 - Assembly lines **productivity improvement**
 - Eliminate **MUDA** (Waste)
 - Create **continuous process flow**
 - Increase **OEE** (Overall Equipment Efficiency)
 - Increase line **efficiency**
 - Layout reorganization
 - **Workload levelling**
 - Application of **5S, SMED, Kanban** methodologies
 - Procedures standardisation
 - **Visual control**
 - Component supply improvement
 - Optimize component supermarket
- Experience acquisition with **SAP**
- Introduction to **MTM** (Methods Time Measurement)

Full time internship

Principal subjects/occupational skills covered

- **Quality** – Statistical process control. **Quality control** tools (RAMS, Control charts, Pareto diagrams, Cause and Effect diagrams, FMEA's – Std IEC 60812). Std ISO9000:2000. **Quality Management Systems**.
- **System Analysis and Project Management** – Teams of **12 students** (organizational politics, personal communication, meetings). **Systems Engineering** (life cycle, standards). **Project Management** (life cycle, start-off, planning, monitoring and control, closure). **Management** of scope, time, costs, quality, **human resources** and the project risk. **Project**: Product development for a client.
- **Decision Support Systems** – **Structural methodologies** for problem solving. Decision problems with **multiple objectives** (AHP). **Combined Optimization**.
- **Logistics** – Teamwork assignments, presentations and construction algorithms (heuristics). **Layouts** and facilities localization, **Distribution** (planning and analysis of distribution and picking systems), **Transports, Warehouses, JIT Production Systems**.
- **Operations Management** – Use of an **ERP** (BAAN). ABC analysis. Economic Order Quantity. Master Production Planning. Stock management.
- **Operations Research** – Mathematical modelling. Integer Programming, **Transportation planning**, network flow, CPM, PERT.

Name and type of organisation providing education and training

Faculty of Engineering – University of Porto
 Rua Dr. Roberto Frias
 P - 4200 – 465 – Porto
 Telephone: + 351 22 508 14 00

Personal skills and competences

Mother tongue(s)

Portuguese

Other language(s)

Self-assessment

European level (*)

English

Spanish

French

German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C1	Independent user	C1	Independent user	C1	Independent user
C2	Proficient user	C2	Proficient user	C1	Independent user	C1	Independent user	C1	Independent user
B1	Basic user	B1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user
A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

(*) Common European Framework of Reference for Languages

Social skills and competences

- Environmental pressure responsiveness } Skydiving skills
- Objectivity
- Good communication and argumentation skills; Sociable
- Positive thinking

Organisational skills and competences

- Organizing ability; Methodical
- Leadership and team management (teams up to 12 elements for scholar assignments)
- High level achievements in the Academic traditions Hierarchy
- Academic activities enrolment:
 - In charge of the Engineering allegoric car construction (Academic parade – 2003, 2004)
 - Active participant in the Engineering allegoric car construction (Academic parade – 2001, 2005)

Technical skills and competences

- Project SoAp monitor - FEUP, 25 students (Sept 11 to Nov 30, 2006)
- Monitor Formation for Project SoAp – FEUP (6 hours - 2006)
- Workshop in "Leadership and Team Management" (10 hours - 2006)
- Workshop in "Negotiation" (8 hours - 2006)
- German course Level I – Lancaster College (60 hours - 2006)
- Host assistant in the "14th Annual EAIE Conference" – FEUP (Sept 11 to 14 - 2002)

Computer skills and competences	<p>User perspective:</p> <ul style="list-style-type: none"> ■ Operating Systems: <ul style="list-style-type: none"> ■ Windows, Linux ■ Software: <ul style="list-style-type: none"> ■ MS Office™ (Word™, Excel™, PowerPoint™, Access™, Paint™), MS Visio, Adobe Acrobat Professional, BAAN, MATLAB. <p>Programmer perspective:</p> <ul style="list-style-type: none"> ■ Computer programming: C, SQL, VBA (Excel), Scilab (Fuzzy Logic) ■ Industrial Automation programming: Petri Nets, Grafset, Ladder, IL, SCADA (Vijeo Look) ■ Microcontrollers programming: C (WinAvr, AtmanAvr), Assembly
Artistic skills and competences	Coal drawing
Other skills and competences	<ul style="list-style-type: none"> ■ Skydiving license (August 22 - 1999) <ul style="list-style-type: none"> ■ Championship participation – “I Copa Asociación de Paracaidismo” (Lugo, Spain - 2005) ■ Revelation award at 17 – “Gala do Desporto Distrital” (Mirandela, Portugal - 1999) ■ Rappel (since 2004) ■ Chart orientation (since 1997) ■ Scout – Agrupamento XVIII – Team treasurer (from 1997 to 2000) ■ Karate – Green belt (from 1993 to 2000)
Driving licence	Category B driving license, 19.10.2001