

## **EDUCATION & TRAINING**

➤ **Doctoral Degree - Leaders for Technical Industries: Engineering Design and Advanced Manufacturing (2015-present)**

**University:** MIT Portugal - Instituto Superior Técnico, Universidade Técnica de Lisboa, Portugal

➤ **Master Degree – Mechanical Engineering (2008 - 2013)**

**University:** Instituto Superior Técnico, Universidade Técnica de Lisboa, Portugal

**Speciality:** Energy

**Final Grade:** 15/20

**Major Subjects**

Advanced Heat Transfer	Energy Management	Thermal Equipment
Aerodynamics	Fluid Mechanics I & II	Thermodynamics I & II
Air-Conditioning in Buildings	Heat Transfer	Turbomachinery
Combustion	Internal Combustion Engines	
Energy in Transports	Renewable Energies	

➤ **"Energy Sources, Conversion and Storage" - ATHENS Programme Course (2011)**

**University:** Politechnika Warszawska, Warsaw University of Technology, Poland

**Grade:** B+/A

**Major Subjects**

Solar Energy	Geothermal Energy	Hydrogen Applications
Wind Energy	Nuclear Energy	Energy Storage
Fuel Cells	Fossil Fuels	Energy Reserves

➤ **"Geointelligence for Natural Resources Evaluation and Sustainable Management" - ATHENS Programme Course (2013)**

**University:** École des Mines de Paris, France

**Grade:** A/A

**Major Subjects**

Central Africa Regional Geography	The Regional Oil Context
Environmental Risks & Remote Sensing	Existing Oil Projects
Geopolitics & Conflicts	Large Investments Economics

## **EMPLOYMENT EXPERIENCE**

➤ **Trainee – Bosch Thermotechnik (2014)**

Dimensioning and consulting of domestic and industrial Central Heating, DHW and HVAC systems for Bosch Thermotechnik equipment (Vulcano, Junkers and Buderus).

➤ **Trainee – Everis (2013)**

Acquiring knowledge about object-oriented programming languages (Java, C# and .NET) and project management techniques, in order to integrate Everis consulting firm.

➤ **Internship – Contimetra (2013)**

Acquire theoretical and technical knowledge about implementation HVAC systems in public buildings. Construction site supervising of the Major Auditorium of Gulbenkian Foundation (Lisbon, Portugal) HVAC renovation.

➤ **Energy Auditor/Colaborator – Galp Energy, 20-20-20 Program (2012)**

Accounting and measuring of the energy consumptions in the Instituto Superior Técnico (Lisbon, Portugal) campus for an energy audit promoted by the University in partnership with Galp Energy.