



# Adriano Valle

**Nationality:** Italian | **Address:** Italy (Home)

## ● EDUCATION AND TRAINING

01/11/2022 – CURRENT

**PHD COURSE IN ENERGY AND ENVIROMENT** University of Rome “La Sapienza”

Research Topic: Application of Model Based System Engineering and Digital Twin methodologies to complex energy systems, particularly to innovative hydrogen-based storage systems. Study and development of energy management systems

**Level in EQF** EQF level 8

10/09/2019 – 13/01/2022 Rome, Italy

**MASTER’S DEGREE IN MECHANICAL ENGINEERING** University of Rome “La Sapienza”

Final Grade: 110/110 with Honours Thesis: Design and Modelling of a hydrogen smart-grid serving a renewable energy comunity in a MATLAB/Simulink enviroment. Acquired professional skills: The course mainly focused on the energy sector, with various knowledge related to many other sectors such as Electronics, Informatics, Control Systems, Mechanics. This made it possible to acquire a great level of interdisciplinary knowledge and experience.

**Level in EQF** EQF level 8

09/09/2015 – 18/12/2018

**BACHELOR’S DEGREE IN MECHANICAL ENGINEERING** University of Rome “La Sapienza”

Final Grade: 100/110 Thesis: Forced convection in bank of pipes. Acquired professional skills: Basic training course in which the necessary knowledge for the correct scientific and design approach has been acquired. The course focused on providing the scientific and design background necessary for further engineering studies

**Level in EQF** EQF level 7

## ● WORK EXPERIENCE

**RESEARCH ENGINEER – INESC TEC , PORTO, PORTUGAL** – 15/02/2025 – 11/09/2025 – PORTO, PORTUGAL

Work Description: Development of an Optimization Algorithm of Battery Storage under uncertain forecasting

**ASSET MANAGER – LCF ALLIANCE** – 02/05/2022 – 01/11/2022

Work Description: Member of the Asset Management Team in the photovoltaic field. The main duties were to support in the Data Analysis and in the management of the the O&M contractors of the plan

## ● SKILLS

Microsoft Office | Google Drive | ANSYS & Fluent Meshing | MATLAB | Python (computer programming) | MATLAB (Simulink work) | Speedgoat

## ● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	B2

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*