

PERSONAL INFORMATION

Nombre: Luis Marqués Almanza
Dirección: C/Puente Colgante 38, Escalera Derecha, 5º I, 47006, Valladolid
Teléfono: 669342847
Email: luis.marques.almanza@gmail.com | luis.marques@geneu.eu

PROFESSIONAL EXPERIENCE

- 2012 – now:** **GEN Europe** (www.geneu.eu).
Energy Performance Director and co-founder.
- Energy Management System (ISO 50001) implementation and support, energy audits and energy saving projects.
 - Specialised in data analysis, energy performance measurement, verification of savings and training.
 - Numerous clients internationally, in all sectors: pharmaceutical industry, beverage and food industries, retail and logistics, and heavy industry and buildings: Pfizer, Microsoft, Novartis, GSK, Pepsi, Cepsa, Merck, Henkel, Mutua Madrileña, Allianz, Europea Defene Agency, etc.
 - Training in “Advanced Data Analysis and Energy Performance Indicators” for the Österreichische Energieagentur (Austrian Energy Agency)
 - Bioclimatic and energy efficiency architecture, systems optimization
- 2014 – now:** **UNIDO (United Nations International Development Organization).**
International Expert on Energy Performance Indicators.
- Consultant on Energy Management and Energy Performance Indicators, within UNIDO’s capacity building program for industrial energy efficiency based on ISO 50001.
 - Trainer in ISO 50001 Energy Management Systems
 - Developer and trainer in course “Advanced data analysis and energy performance indicators”. Delivery of training course in Vienna, Russia, Moldova, Iran.
- 2006 – 2012:** **Alia, Arquitectura, Energía y Medio Ambiente.**
Energy consultant
- Public and private projects, with a focus on Nearly Zero Energy Buildings, bioclimatic architecture and sustainable design.

EDUCACTION AND CERTIFICATES

- 2003 – 2010:** **MsC Architecture. ETSAVA, University of Valladolid (2003-2010)**
2016: **CMVP®. Certified Measurement & Verification Professional®**

KEY QUALIFICATIONS

- Wide experience in **energy baselines and performance indicators** identification (gained as energy data analyst and trainer)
- Excellent command of **statistical data analysis** (international experience as an UNIDO consultant)
- Excellent knowledge of **data gathering and organizing processes** (gained as energy data analyst for large clients with multiple facilities)
- Ability to **simplify complex solutions** to make them more accessible (as data analyst, turning difficult to understand tables into useful and friendly tools.
- Good command of engineering drawings and layouts (gained through work as an architect, designing facilities, HVAC, water systems, etc.)

RECENT WORKS

- **International expert** and trainer in energy performance indicators with UNIDO in more than 50 industrial organizations in **Russia, North Macedonia, Georgia, Moldova, and Iran**.
- Co-author of two-day **training program** on **Energy Performance Indicators** and advanced energy metrics for the United Nations Industrial Development Organisation (**UNIDO**).
- Delivery of two-day **training program** on **Energy Performance Indicators** and advanced energy metrics to future EnMS trainers for the **Austrian Energy Agency** in Vienna (2014).
- Development of **training material** for the courses that **ISO** gives in **16 countries** worldwide.
- **Trainer for the Defense Energy Manager's Course** for the European Defense Agency. Program for military installations in the EU to gain experience in EnMS and ISO50001.
- **Consultancy** to many clients in **developing Energy Performance Indicators**, including:
 - **Pharma industry:** Novartis, Merck, Pfizer, GSK.
 - **Chemical industry:** Henkel, Ercros, Elix
 - **Food and Beverage industry:** Danone, Pepsi, Carlsberg.
 - **Public buildings:** University College Cork (Ireland), Univ. Rey Juan Carlos (Spain).
 - **Cement** industry in Iran
 - **Petrochemical** industry in Iran
 - **Steel, Car manufacturing.**
 - **Others:** Microsoft, Allianz, Cepsa.
- **Energy Performance Measurement** in EnMS (ISO50001) implementation:
 - **International organizations:** European Defence Forces (Italy, France, Belgium, Netherlands, England, Portugal Ireland, Sweden, Greece, Cyprus, etc).
 - **Spain:** Mutua Madrileña (internationally awarded in 2017 by the "Clean Energy Ministerial"), Tragsa in Madrid (2017), Merck in Madrid (2019), Rovi in Granada (2020), Universidad Carlos III en Madrid (2017).
 - **Ireland:** Novartis, UCC (2020).
 - **Oman:** Areej Vegetables Oils & Derivatives SAOC (internationally awarded in 2018 by the "Clean Energy Ministerial") and Haya Water (2021).
 - **Italy:** Bristol Myers Squibb in Roma (2018)
 - **Phillipines:** Asian Development Bank (ADB) HQ in Manila (2015)
 - **Jordan:** Water Authority of Jordan (2020)
- Development of **training materials and monitoring on Energy Management Systems** for **CARICOM** Regional Organisation for Standards and Quality (CROSQ) in **Barbados**, in 2014.
- **Training material** for **Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)** GMBH in Mexico on energy management systems and ISO 50001 for SMEs in 2013.
- Development of **training material** on "**Building Energy Management**" for Nebrija University (Madrid, Spain) as part of the Master on Sustainable Building Technology in 2012.
- Collaboration as bioclimatic and sustainable architect in Nearly Zero Emission Buildings (NZEB)
 - Grupo Lince Headquarters in Valladolid (Spain). Endesa National Sustainable Award. Selected for the World Sustainable Building Conference in Helsinki, 2011.
 - Renewable Energy Development Centre, CEDER (Spain). Rehabilitation Project, 2009.
 - Fundación Barredo in Asturias (Spain). Endesa National Sustainable Award. Selected for the World Sustainable Building Conference in Melbourne, 2008.
- **Consultant in TOBEEM Project in Madrid and Barcelona** (Spain). Project focused on determining the reasonable economic and energy limits (life-cycle basis) in NZEB Office Buildings in Continental and Mediterranean climates and establishing reliable design criteria to achieve those limits. Selected for the World Sustainable Building Conference in Barcelona, 2014.