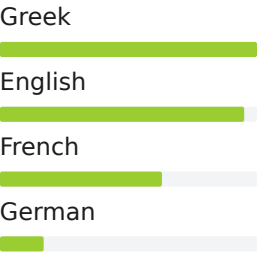


Summary

I am a Mechanical Engineer with a specialization in Energy (Heat transfer, Energy Efficiency on Buildings), and an expertise on Renewable Energy sources (Diploma thesis: “Experimental evaluation and modelling of a solar PV ice-making system without batteries”). I have designed both buildings’ (HVAC, plumbing, fire-fighting networks and equipment) and airports’ (electrical substation – power and communications – and airfield ground lighting – AGL), P&ID installations in clean rooms in a semiconductor plant. I wear both hats of research and of industry, i.e. either behind a desk designing and drafting or at the field in factories and construction sites.

Languages



Skills / Exposure

- 3D piping design and P&ID (Revit)
- Airport Ground Lighting
- Buildings infra (elec., water, fire, ...)
- HVAC (industrial, marine, buildings)

Tools

- AutoCAD 3D
- Matlab
- Python
- TRNSYS
- EnergyPlus
- Octave
- Microsoft Office Specialist
- R
- HTML/CSS/JS
- Networking

Education

Diploma - Mechanical Engineering
National Technical University of Athens (NTUA)
2005 – 2013

MSc - Technical and Economic Systems
University of Piraeus & National Technical University of Athens (NTUA)
2019 – 2023

Ioannis Axaopoulos

Dipl.-Ing. Mechanical Engineer

Relevant experience: 6 Years
Total experience: 11 Years

+49 152 59016129
ioannis.axao@gmail.com
Rohrdamm 56, 13629 Berlin

Work Experience

- IP Innovative Power GmbH

Sep 2024 – Aug 2025

Smart metering engineer1 year

Heating and DHW smart meter installation (flow meters, temperature probes, pulse readers and gateways) and EVCS commissioning.

Live data logging and cloud integration.

Data analysis on performance, availability, anomalies and integrity.
- Grandperspective GmbH

May 2023 – Nov 2023

Field Service Engineer6 months

Installation on high places, service and maintenance of gas leakage equipment.

Assisting in Production and R&D.

RMAs of failing parts, Purchases of service parts.
- FAURE QEI (SOITEC)

Aug 2021 – Feb 2023

Fluid Industrial Engineer/ Designer 3D9 months

Taking measures and references on machines, equipment and components on production areas in a semiconductors’ factory.

Process & Instrumentation Design 3D of industrial piping on Autocad 3D (Revit).

Respect the strictest HSE standards for working in a clean room facility and within an emergency evacuation area.
- ADB Safegate Hellas

Dec 2018 – Sep 2020

Service Engineer (Electrical Engineer)3 years

Project engineering - Contact person for engineers and authorities for maintenance and corrective tasks, projects’ technical report, designs and installations.

Authoring technical reports and calculating sufficiency loads on high current primary circuits.

Editing drawing, designs and method statements on AGL.

Trained in the commissioning of A-VDGS (ADB’s proprietary laser sensors), also participated in interventions on airport substations and high voltage cable networks.
- ForceCooling

Jan 2018 – Dec 2018

HVAC engineer (commercial and technical)1 year

Quotations and customer support.

Studies design for Cold rooms, Refrigeration (Food/Pharma/Marine Industry).

HSSE lead safety engineer.
- Easy Facilities Management S.A.

Jan 2017 – Jan 2018

Junior Project Engineer / Supervisor1 year

Project engineer (On-field, construction superintending and planning).

On-site auditing and editor of technical reports.

Update and modify constructional drawings and designs.

Editor of economic and technical offers, construction cost estimation.
- Université Savoie Mont Blanc

Jan 2014 – Jan 2017

Study engineer3 years

« Multiobjective energy integration of buildings during their life cycle. »

Developing a methodology and a software tool of multiobjective decision making on building energy performance.

Optimization method developed on MATLAB, in collaboration with a tool (GenOpt) that links the performance calculations on TRNSYS.

Provide fast model for decision making based on different performance calculation platforms such as EnergyPlus and PLEIADES.