

AZZAM ALOSAIMI

CONTACT

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CERTIFICATIONS

- **Engineering Project Management Initiating and Planning (PMP)**, Rice University - [22/05/2020] [5 weeks]
- **Smart Cities – Management of Smart Urban Infrastructures**, The École polytechnique fédérale de Lausanne (EPFL) University - [20/07/2020] [5 weeks]
- **Behind the Statistics in Research**, [University of Cape Town] - [20/06/2020] [6 weeks]
- **Probability and Statistics: To p or not to p?**, University of London - [20/08/2020][6 weeks]

SKILLS

- **Energy performance modeling using EnergyPlus**
- Building energy simulation for life cycle cost
- Sustainable housing designs and analysis
- Airflow rate evaluation for energy reduction
- Sustainable building designs consultancy
- 2D and 3D design softwares (AutoCad, Rivet, Lumion, Sketch up)
- Saudi building code compliance
- Statistical analysis and prototyping
- Technical reports
- Data analysis using machine learning (MATLAB and R)
- Working with international experts with different backgrounds
- Team leading and collaboration
- Strategic planning

PROFESSIONAL SUMMARY

- An energy modeler for analyzing buildings energy performance using simulation softwares (EnergyPlus).
- Architectural Engineer with 10 years of high education leaning skills related to sustainable design, energy use, carbon emissions, and cost.
- Accomplished a PhD in sustainable design and energy use in the housing stock, with background in architectural engineering and designing development plans.
- Applied the Saudi building code for building compliance by offering meticulous attention to detail in design, planning, energy, and budgeting, for high-performing buildings.

WORK HISTORY

Architectural Engineer, 04/2014 to Current
Jazan University - Jazan, KSA

- Taught courses in (architectural design, building construction, 2D drawing, 3D modeling, work presentation)
- Sustainable design graduation projects supervision

Site Engineer, 07/2013 to 04/2014
Bin Ladin Company - Jeddah, KSA

- Checked technical drawings for adherence to standards, maintaining operational compliance.
- Documented daily progress, incidents and issue resolutions for accurate site records.
- Prepared diagrams, charts and surveys detailing key information about job locations and project scopes.
- Outlined construction schedules, equipment and labour requirements using Gantt charts.
- Responded to technical concerns quickly and effectively, devising strategic solutions to minimise project disruption.

EDUCATION

PhD in Building Technology: Energy Performance of the Housing Stock, Expected in 04/2023
University of Nottingham, Faculty of Engineering - Nottingham, United Kingdom

Master of Science in Sustainable Design: Energy use, carbon emissions, cost reductions, 01/2019

The Catholic University of America - Washington DC, United States of America

Bachelor in Islamic Architectural Engineering : Architecture, designs, construction, and theories, 07/2013
Umm Al-Qura University - Makkah

ACCOMPLISHMENTS

- An international competition provided by ASHRAE about designing a high-performance commercial and residential building in an island in Chile.
- An international reward for the best presentation in sustainable architectural Engineering.