

Professional Profile (Biography)

Suhaib Mohammad is an energy engineer with +4 years of experience in energy management field, Suhaib has graduated as a Mechatronics engineer from the University of Jordan. Suhaib has been a member of Jordan Engineers Association (JEA) and Association of Energy Engineers AEE.

Suhaib has an experience in Energy Management; including Energy Auditing, Energy Management studies and consultancy services, power quality projects, design, implementation and management of renewable energy projects (Solar PV), Lighting Management Solutions and Lighting Retrofitting projects, conducting Measurement and Verification (M&V) and conducting advanced Energy Analyses.

Areas of Expertise (Core Competencies)

- **Energy Efficiency:** Energy Auditing, Performance Contracting, Energy Efficiency Consultancy Services, Implementation of Energy Efficiency Projects, Measurement and Verification, Energy Management Strategic Planning, Energy Value Studies
- **Renewable Energy:** Design, Installation, Commissioning and Maintenance of Solar PV.
- **Lighting Management Solutions:** Lighting Retrofitting, Lighting Design, LED Lighting, Implementation of Energy Conservation Measures in Lighting Systems.
- **Engineering Services:** Chillers Performance Studies.
- **Water Management:** Water Auditing.

Technical experience

Following sub-sections provide in details of the technical capabilities and projects examples.

Experience in Energy Efficiency (Auditing, Implementation, M&V and Power Quality)

- Auditing several systems such as Lighting systems, Electrical Power Systems, HVAC systems, Motors and Pumps, Compressed Air System, steam and hot water systems, Industrial Processes, etc., to optimize energy and enrich efficiency aspects saving energy.
- Collecting all required data from the facility/Building under study.
- Conducting all engineering measurements and analyzing measurements outputs.
- Recommend Energy Management Opportunities that can be implemented.
- Conducting Energy Conservation Measures (ECM's) Calculations
- Carrying out an environmental and techno-economic analysis of proposed energy conservation measures.
- Conducting Energy Engineering analysis, benchmarking and finding Energy Efficiency KPI's
- Preparing audit reports and all supportive engineering analysis.

Senior Energy Engineer – Team Leader – Eco Engineering and Energy Solutions

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- Design of Energy Conservation Measures (ECMs)
- Developing Measurement & Verification Plans (M&V).
- Conducting Investment Grade Energy Audit (ASHRAE Level III)
- Implementation of energy conservation measures in some of the audited facilities on a Shared Energy Saving (SES) basis & Energy Performance Contracting programs (EPC).
- Carrying out the measurement and verification procedure to show and realize the actual achieved energy saving.
- Managing Energy Management Programs Projects (ECMs installation, supervision and M&V, EPC projects). Developing all required Plans for Energy Efficiency projects (Action, Safety, Quality...)
- Conducting full strategic energy planning and Energy programs Action plans.

Experience in Lighting Management Solutions

- Conducting Lighting Surveys, Data Collection and Measurements (Targeted Audits)
- Conducting Lighting Systems Analyses, Calculations and Saving Analyses (Retrofitting, Redesign, Controls, Redistribution...)
- Develop and Design of Energy Conservation Measures (ECMs) in Lighting Systems
- Conducting Lighting System Design and Redesign
- Implementation of Energy Conservation Measures (ECMs) in Lighting Systems
- Conducting M&V procedures for Lighting System ECMs.
- Rich Experience in LED Lighting Specs, products design (lamps and Fixtures).
- Rich Experience in Lighting Supply Chain, products selection and customization for special applications.
- Rich Experience in Lighting Tests, Compliance Standards & Exemption Procedures