



SHAAN MALIK

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Personal Statement

Mechanical engineer qualified from London, United Kingdom with 8 years' experience in the UAE as a Senior Commissioning Authority and Sustainability Consultant. I have been involved in multiple projects targeting an Estidama Pearl Rating, Estidama being the Sustainability Rating system of the UAE. During this time I have acquired experience in the Design & Construction of Green Buildings, with particular focus on the MEP installation & testing and commissioning of HVAC systems. I have fulfilled the role of ICA (Independent Commissioning Agent) for Design & Construction stages for Estidama as well as LEED projects. Currently I work as a Commissioning Authority & Sustainability Consultant in charge of facilitating the Pearl rating process for new and upcoming developments in the UAE. I am also accredited LEED GA v4, and currently pursuing a LEED AP BD+C accreditation.

Work Experience

Ceres Management & Consultancy Services LLC – Abu Dhabi, UAE Commissioning Authority & Sustainability Consultant

- Preparing or assisting in the preparation of an Owners Project Requirements which details the high-level sustainability and Commissioning targets that the project Owner is aiming to achieve.
- Reviewing the Basis of Design for MEP systems and providing input where necessary in order to facilitate the Commissioning process.
- Preparing and assisting in the preparation of a Commissioning plan which will include key information on the Commissioning process such as systems to be commissioned, commissioning team, procedures, test formats, etc.
- Conducting a Design Review to ensure that all requirements related to Testing & Commissioning are captured and reflected accurately in project design documents.
- Reviewing material submittals to ensure these are in compliance with the projects stated sustainability targets.
- Reviewing shop drawings and Construction stage documents to ensure that these are in compliance with the projects overall Sustainability and commissioning targets.
- Preparing or assisting in the preparation of Functional Performance test sheets to record the Commissioning activities.
- Coordination with PQP/ Sustainability Consultant & project team prior to commissioning.
- Collection of all schematics, as-built drawings, equipment schedules, technical submittals, etc pertaining to commissioned systems.
- Verification & endorsement of site-specific method statements for commissioning purposes.
- Design of a site-specific commissioning program integrated with MEP services.
- Troubleshooting and finding solutions to problems that arise during the commissioning process.
- Ensuring that pre-commissioning & commissioning activities are carried out as per agreed program schedule.
- Organising and attending client inspections to demonstrate results of commissioned systems
- Reporting to assigned PQP / Sustainability Consultant regarding commissioning progress

- Attending UPC Audits to report on Commissioning activities and their level of compliance with Estidama criteria.
- Organizing or assisting in training sessions for Building Operator at final handover.
- Preparation of Building Log Book/ Occupancy Handbook as per Estidama/ LEED v4 requirement.
- Preparation of a Final Commissioning report as per Estidama/ LEED v4 requirement.
- Collation & review of data for Operations & Maintenance Manuals.

My duties as a PQP / Sustainability Consultant include:

- Facilitating the Pearl Rating process for Clients/ Building owners to achieve the targeted Pearl Rating for the project
- Applying the relevant standards related to Pearl Building / Villa / Community rating for the project
- Conducting U-Value review, audit & calculations related to Building envelope materials to ensure the building envelope meets the targeted energy requirements
- Reviewing building materials submitted by civil & MEP contractors throughout procurement to ensure these are in compliance with targeted Pearl Rating system credits
- Conducting & monitoring the waste management process for the project to ensure that the minimum targeted amount of waste for salvage/recycle is achieved, and can be demonstrated through the use of waste manifests
- Conducting training to provide Estidama Pearl rating system awareness among project teams and building owners
- Preparing narratives, calculations etc. in design and construction stages of the project in order to fulfil Pearl Rating system requirements and achieve the targeted Design and Construction rating
- Completing relevant calculators, templates etc. related to waste, energy & water monitoring for the project and ensuring these and other documentation are complete and ready for submission
- Coordinating and meeting with the UPC regarding Design & Construction rating submissions, Construction Stage Audits & clarification of specific requirements for project teams during the course of the project
- Reporting to Project owner regarding the sustainability objectives of the project and how these are being achieved in line with the targeted Pearl Rating
- Performing quality audits on all documentation prepared for submission & intended for achieving Design & Construction ratings
- Reviewing building material products & systems to assess these for general compliance with LEED, Estidama & Dubai Green Building Regulation rating requirements

Sutton International LLC – Dubai, UAE
Senior Commissioning Engineer

My experience with Sutton International includes installation & testing & commissioning of HVAC systems. My primary responsibilities were overseeing the commissioning of air & chilled water systems.

- Production of commissioning plans integrated with MEP services & other subsidiary plans
- Decomposition of project scope into smaller, easily identifiable work packages & deliverables
- Identifying independent activities & interdependencies between them that will lead to successful completion of project milestones & objectives ex. Commissioning of electrical switchgear to be complete before start-up of air-handling units
- Witness & approval of civil-defence related life-safety systems ex: smoke extract, stair pressurisation fans & fire alarm system
- Monitor & control of commissioning activities in design & construction stage to spot for any necessary preventive or corrective actions that can be applied
- Understanding codes & standards related to testing & commissioning of HVAC, water supply, & life-safety systems and ensuring that commissioning is in compliance with these
- Supervision of commissioning engineers/technicians for efficient completion of air & water balancing
- Collection & maintenance of an up to date log of relevant literature pertaining to commissionable systems; as-built drawings, technical submittals, etc.

- Production & verification of co-ordinated, site-specific commissioning method statements.
- Production, verification and attestation of checklists & test sheets pertaining to commissioned HVAC systems.
- Balancing the needs & requirements of all project stakeholders without compromising on project objectives & scope
- Co-ordination of client demonstrations of commissioned systems
- Production, co-ordination and control of record documentation.
- Verification and collation of O&M documentation.
- Facilities management teams instruction and training.
- Attending commissioning meetings on a regular basis to report on progress & status of commissioning

List of key projects as Sustainability Consultant:

- Al Nahda Pvt School – Abu Dhabi – Estidama 2 Pearl
- Umm Al Ashtan Villas Project – Abu Dhabi – Estidama 1 Pearl (PVRs)
- Al Wathba Desert Resort – Estidama 2 Pearl
- Al Batha Warehouse – Estidama 1 Pearl
- Al Shuwaib School – Al Ain – Estidama 2 Pearl
- Al Salamat School – Al Ain – Estidama 2 Pearl
- Al Yahar School – Al Ain – Estidama 2 Pearl
- Novotel Hotel Al Barsha, Dubai
- Le Meridien Hotel, Airport Terminal 1, Dubai
- Al Bateen Hotel & Residence, Jumeirah Lake Towers, Dubai
- Al Ahli Mixed-Use Complex, Dubai
- Al Jalila Childrens Specialty Hospital, Dubai
- Masdar Headquarters, Abu Dhabi
- Deira Waterfront - Dubai

List of key projects as Commissioning Authority:

- Yas Mall Hotel – Estidama 2 Pearl – Commissioning Authority
- GASCO Buhasa Civil Centre & Facilities – LEED Silver – Commissioning Authority
- Yas South Development – Estidama 2 Pearl Community Rating – Commissioning Authority
- Yas Integrated Destination Resort – Family Hotel – Estidama 2 Pearl – Commissioning Authority
- Yas Integrated Destination Resort – Arena – Estidama 2 Pearl – Commissioning Authority
- Sir Bani Yas Fire Station – Estidama 2 Pearl – Commissioning Authority
- Al Reem Integrated Healthcare Centre – Estidama 2 Pearl – Commissioning Authority
- Abu Dhabi Airport Mid Field Terminal Building – Estidama 2 Pearl – Commissioning Authority
- Warner Bros Hotel – Estidama 2 Pearl – Commissioning Authority
- Al Muntazy Residential Villas – Estidama 2 Pearl – Commissioning Authority

Academic Background

BEng (Hons) Mechanical Engineering

Accredited by ImechE - Institution of Mechanical Engineers

London South Bank University

London, United Kingdom

Key Skills

Languages	Fluent in English & Urdu/Hindi. Intermediate level Arabic
IT	Excellent knowledge of MS Office
Accreditations	LEED GA v4, Pearl Qualified Professional (Estidama Pearl Rating System, UAE)
Professional Bodies	Associate Member of Imech (Institution of Mechanical Engineers).

References

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