

Senior Engineer - Public Health

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Company: Mott MacDonald Singapore

Location: United Arab Emirates

Category: healthcare-practitioners-and-technical

Main Purpose of the Job:

As a Senior Public Health Engineer, you will be responsible for the delivery of all public health engineering for the designs of a variety of building types including commercial, retail, hospitality, residential, healthcare and transportation projects.

Key responsibilities and duties are listed, but not limited to, the below:

Carry out conceptual studies of the public health engineering systems, estimate plant and space requirements along with the preparation of sketches that can be distributed to the rest of the building services team and other disciplines

Design water, drainage and fire-fighting systems for all types of buildings from concept design through to detail design and tender documentation.

Develop design reports and specifications for the public health services in compliance with the agreed specifications

Provide design solutions for technical issues in relation to the areas of public health engineering design.

Prepare and supervise the preparation of relevant design drawings and managing the production of documentation such as feasibility reports, calculations, specifications, tenders, engineer's estimates and site acceptance documents

Represent the company in technical meetings with our clients, supervise the work of

more junior staff and provide technical and professional guidance to assist their development.

During site visits able to evaluate existing site conditions and infrastructure and identify potential upgrades or improvements in public health systems design.

Collaborate with architects, contractors, interdisciplinary teams and other stakeholders to integrate public health engineering solutions seamlessly into building designs.

Stay updated on relevant codes, regulations, and industry standards to ensure compliance and adherence to best practices in public health engineering.

Provide technical support and guidance to construction teams, in case it required, during the implementation phase of public health engineering projects.

Candidate specifications:

Degree (BEng/BSc/BE) in Mechanical or Civil Engineering from an accredited university membership (or working towards) to a relevant professional institution

Extensive experience in public health engineering

Experience in the design of building services comprising external and internal sanitary drainage, rainwater drainage water services and fire fighting

Knowledge of all PH services including drainage for foul water and rainwater, natural gas, hot- and cold-water systems and fire-fighting systems design including tank/pump sizing and solar hot water systems

Awareness of Autodesk Revit and BIM is required

Continuously looking for innovations and improvements to enhance deliverable quality

Our Purpose

At Mott MacDonald, our purpose is to improve society by considering social outcomes in everything we do relentlessly focusing on excellence and digital innovation, transforming our clients's businesses, our communities and employee opportunities.

Equality, Diversity and Inclusion

Equality, diversity and inclusion (EDI) is at the heart of our organisation. We are an equal opportunity employer and do not discriminate, rather take positive steps towards creating a diverse and inclusive working environment.

Flexible Working

At Mott MacDonald, we support our staff to create work-life balance which works for them and welcome candidates looking for career flexibility. We are open to discussing flexible working at interview stage.

We can offer:

90 calendar daysâ paid maternity leave

Competitive annual leave

An annual professional institution subscription

Annual company performance bonus scheme ' Subject to company performance

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