



Sajid Rafique

M.Sc., B.Eng.

Water, Environment & Power (WEP) Project Manager/Consultant Engineer

Client Base:

- A. A. Engineering Services
- Danway Qatar
- Torishima
- UK Water plcs
- Keppel Seghers
- KEO International Consultants
- ARUP
- Mott MacDonald
- Black & Veatch
- Costain
- MWH
- Hyder Middle East
- Parsons
- Environment Agency
- ExxonMobil
- VT Nuclear Services Ltd
- Flowserve
- Alstom
- Entec
- Mott Connell Ltd
- Hong Kong Drainage Services Department
- Kubota (Middle East)
- Monsal Limited
- Tadmur
- Acker Solutions Ltd
- Enpure
- Aker Kvaerner Contracting
- Biwater

Technical Experience:

- Hydraulic modelling for a wide variety of civil engineering schemes and process plant including: pumping stations, dams, spillways, river schemes, inlet works for both water and wastewater treatment plants, digesters, service reservoirs and chlorine contact tanks.
- Experimental design, measurement techniques and analysis for modelling studies.
- Use of mathematical modelling techniques such as computational fluid dynamics for obtaining general flow field/mixing data in civil/process plant including troubleshooting, and optimisation. Also use of CFD in conjunction with on-site measurements and physical modelling for validation purposes.
- Use of on site tracer techniques, measurement and analysis for evaluation of mixing/hydraulic performance of process plant.
- Energy Saving in Flash Mixing and Flocculation.
- Mixing Audits for water treatment.
- Rheological measurement and analysis of Newtonian and non-Newtonian fluids and its application to engineering design, particularly in addressing sludge pumping requirements and mixing systems.

Managerial and Commercial Experience:

- Project management of consultancy projects.
- Staff management at various levels within Water, Environment & Power (WEP).
- Mentoring junior staff within BHR Group.
- Preparation of technical proposals for both UK & International clients.
- Technical presentations to clients.

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