



FAISAL MUMTAZ AHMAD

PROJECT/PROCESS ENGINEER

EDUCATION

M.Sc. ADVANCED PROCESS ENGINEERING

UNIVERSITY OF BAHRAIN (2016-2019*)



M.Sc. Thesis Project: Disposal & degradation of plastic waste from Municipal Solid wastes of Bahrain by Pyrolysis

Core Subjects: Industrial Wastewater treatment, Water Desalination, Process Optimization, Biotechnology applications in process engineering



B.Sc CHEMICAL ENGINEERING

UNIVERSITY OF BAHRAIN (2010-2014)

B.Sc. Senior Project: Application of Statistical Design to an Industrial Scale Dead End Ultrafiltration Process, which on research work later was published in international scientific journal.

SUMMARY

Exceptionally dedicated and meticulous Process Engineer with an excellent record of environmentally conscious and responsible service, with a keen interest in sanitary engineering and practices & exposure to multi-disciplinary engineering practices and standards. Sound academic process knowledge of Refineries and STPs, as well as trunk sewer design practices. Especially adept at managing tasks independently as well as in team with efficiency and professionalism.

PERSONAL INFO

Contact: +973-33226649

Email: getfaisal@hotmail.com

Marital Status: Married

Place of Birth: Bahrain

Nationality: Indian

National ID: 920509533

Passport No.: N5198173

Perm. Address: F21, Bldg 449B, Rd1019, B210, Muharraq

Languages Known: English, Urdu, Hindi, Sinhalese & Arabic.

PRE-ENGINEERING

THE NEW INDIAN SCHOOL

CBSE syllabus (2008-2010)



HIGH SCHOOL

IBN-AL-HYTHAM ISLAMIC SCHOOL

CBSE syllabus (1995-2008)



TRAINING

GRADUATE TRAINEE ENGINEER

HALDOR TOPSOE

HALDOR TOPSOE MIDDLE EAST (Jun 2014 – Sept 2014)

Danish Catalyst firm, where I researched on the environmental regulations and standards of middle east, according to which catalyst are to be developed to meet stringent standards & carried out daily tasks of a process/catalyst engineer in environmental division.



Ceylon Petroleum Corporation

TRAINEE ENGINEER

CEYLON PETROLEUM COMPANY (Jul 2013 – Aug 2013)

Familiarize with the refinery configuration, assist in daily energy & mass balance for units, understanding reaction kinetics & control dynamics.



TRAINEE ENGINEER

BAHRAIN PETROLEUM COMPANY (Jun 2012 – Sept 2012)

Besides being introduced to the whole refinery & utilities processes, field inspections, process simulation of the units to optimize the operation was learnt.

PUBLICATION/SCIENTIFIC PAPER

Shams, Mohamed Bin, Faisal Mumtaz, Ashwin Murali, Waseem Akbar, and Nader Al-Bastaki. "Application of Statistical Design to an Industrial-Scale Dead-End Ultrafiltration Process." Chemical Engineering & Technology 38, no. 8 (2015): 1315-1326.

<https://onlinelibrary.wiley.com/doi/full/10.1002/ceat.201400535>

SKILLS

PERSONAL

| | |
|---------------|--|
| COMMUNICATION | |
| ORGANIZATION | |
| TEAM PLAYER | |
| CREATIVITY | |
| SOCIAL | |

WORK (SOFTWARE PROFICIENCY)

| | |
|------------------|--|
| AUTOCAD CIVIL 3D | |
| AUTOCAD MAPS 3D | |
| MICROSTATION | |
| MS OFFICE | |
| BENTLEY MAPS | |
| MATLAB RA2018 | |
| ASPENTECH (SIM) | |
| COMSOL (CFD) | |
| ANSYS (CFD) | |
| QGIS (GIS) | |
| ARCGIS (GIS) | |

SHORT COURSES

- Health, Safety Risk, 2015, BP
- Safety & Risk foundation course, Petrofac, 2015
- Hostile Environment Awareness Training, Basra, 2015
- Business Ethics, 2014, Injaz
- Be Entrepreneur, 2013, Injaz
- Fire & safety course, 2012, BAPCO
- ATMT (awareness through mosque tour), 2010, DI

MEMBER OF SOCIETY

- International Association of Engineers (ID:162818)
- Bahrain Society of Engineers
- American Institute of Chemical Engineers (ID: 1002849379)

DECLARATION

I hereby declare that all the details furnished above are true and correct to the best of my knowledge and belief.

EXPERIENCE

PROJECT/PROCESS ENGINEER

P2MBERLIN MIDDLE EAST (Aug 2016 – present)

Actively involved in projects of Sanitary Engineering Affairs performing tasks like:

- Liaising, coordinating & tracking with all ministerial stake holders for Planning permissions (PP), preplanning consultation (PPC) and wayleaves (WL).
- Actively involved liaising with local stakeholders/ministries for design engineering conflict/problem resolution & coordination.
- Keeping total track of project controls, correspondences & documentations.
- Involved in review and responses to stakeholder comments of planning permissions.
- Assist in preparation of monthly reports and various other design reports.
- Involved in evaluation of contractual work and finances.
- Undertake tasks related to topographic survey of a vicinity.
- Independent handling of As-built survey of sanitary and drainage network.
- Incorporating asset database into GIS format using QGIS or ArcGIS and incorporate them into a drawing using AutoCAD maps 3D.
- Special tasks like preparation of 3D drawings of shafts to mimic the path undertaken by micro-tunneling to evaluate the deviation.
- Involved in site inspections of contractual works as well.
- Trunk sewer design and utilities markup using AutoCAD civil 3D. And evaluate various trunk sewer design option and its feasibility.
- Draft complete package of planning permission drawings using Civil 3D.
- Computational fluid dynamics simulation using ANSYS.
- Review literature on STP processes to support opinions on Tubli WPCC.
- Understanding every phase of an STP process and calculations.
- Study and research on recent STP practices, standards & norms.
- Prepare review papers on literature background of processes related to STPs.

p2mberlin
middle east

PROJECT/PROCESS ENGINEER

MCS/INTRAGULF (Sep 2014 – Aug 2016)

Intragulf Process solutions of MCS group of companies which were regional partner of Bentley Software (UK).

Whilst in Bahrain:

- Actively involved in Bentley software business of Microstation licensing and troubleshooting.
- Participate in bidding process. Prepare transmittals, proposals, technical, investigational reports, bill of materials, MTOs, prequel docs, scope of work for subcontractors etc.
- Coordinate with multi-disciplinary team of Civil, Mechanical, Surveyors on projects.
- Preparation of Heat and Mass Balance, PFD, UFD and P&ID diagram, Process Datasheet, Line list, Equipment List, Utility summary, HAZOP and HAZID Studies.
- Perform fieldwork, documentation, research and draft tasks for engineering data as requested by clients or managers as well as Audit/Inspect/Edit/Update drawings onsite & offsite on given projects.
- Carry-out topographic survey for SLRB of all utilities.
- Verification of equipment issuance lists, data sheets including sizing of equipment and pipelines and contribution to cost estimation and optimization.

Whilst in Basra on secondment to Wood group (USA) for BP project with multi-disciplinary team to survey U/G utilities and pipes, field inspection, P&ID, PFDs documents verification and prepare as-builts. Additional task of being investigational officer for contractual works.

Intragulf
Process Solutions

Bentley
Sustaining Infrastructure

MCS
Micro CADD Services wll

bp WOOD GROUP
 