

Umair Umar (Chemical Engineer)



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WORK EXPERIENCE

Nigh Son Refinery & Petrochem, Vietnam

Specialist Advisory Process

Jun 18-Till date

- Responsible for CDU, LRU, KHDS & GOHDS units for **Process and Optimization**.
- Review & develop **technical reports**, operations procedure and coordination with all departments.
- **Processing schedules**, operating logs, test results of samples, and laboratory recommendations to determine changes in **equipment controls** required to produce specified quantity and quality of product.
- Process Troubleshooting & abnormalities/emergency handling.
- Monitoring and evaluating the performance of various process equipments & **data Analysis**.
- **Performance calculations** for determining process parameters and material balances.
- Evaluates operational upsets root causes and determines remedial.
- Participate in the development of training programs as well as building up the operation team and ensuring their competence for the tasks in the assigned area.
- Supervise all **risk prediction activity, SDPM** and evaluate operator risk prediction reports.

Pakistan Refinery Ltd. KHI

Executive Engineer

May 17-Jun 18

- Process Troubleshooting & abnormalities/emergency handling.
- Monitoring and **evaluating the performance** of various process equipments & **data Analysis**.
- Review & **develop technical reports**, operations procedure and coordination with all departments.
- **Process Designing & study review** of new projects designs, working on **HYSYS simulations**.
- Technical evaluation of the process parameter to **maximize yield**, meet production plans & plant reliability.
- Ensure standard operating strategies are developed to support the safe execution of production work.

Attock Refinery Limited, RWD

Engineer Plants

Dec 15- May 17

- Develop & review Process Flow Diagrams (**PFD's**) & **P&ID's** and Heat and Material Balances.
- Process Design & **engineering review of new technology** of downstream units & worked in **commissioning & startup** of new steam complex.
- Assist in developing plant **control philosophy** & Team management.
- Ensure standard operating strategies are developed to support the safe execution of production work.
- Process Troubleshooting & abnormalities/emergency handling.
- Implementation and follow up of HSE regulations (Work to Permit System, **HAZARD Identification**, Incidents Notification, **HAZOP & RCM** etc).

PROJECTS:

- ✓ Installation & Commissioning of UOP Penex-DIH Isomerization unit.
- ✓ Catalyst Regen, Loading/Unloading of **UOP Fixed Bed Platforming reactors** & hydrotreating reactor.
- ✓ Acid Flare installation & commissioning.
- ✓ DHDS & HYU installation & commissioning.

Pakistan Refinery Limited, KHI
(Shell international)

Engineer P&U

Jan 2014 - Dec 2015

- Review **technical reports** for the operations procedure.
- Technical evaluation of the process parameter to **maximize yield**, meet production plans & plant reliability.
- Process Troubleshooting & abnormalities/emergency handling.
- Monitoring and evaluating the performance of various process equipments like Heat Exchangers, Condensers, Pumps, Turbines, Compressors, Furnaces, Cooling Towers, Deaerator, and Boilers.
- Implementation and follow up of HSE regulations (Work to Permit System, **HAZARD Identification**, Incidents Notification, **HAZOP & RCM** etc.

EDUCATION

BE Chemical Engineering	2008-2012	3.35/4.0
National University of Sciences & Technology, Islamabad, Pakistan		
Intermediate in Pre-Engineering	2006-2008	81%
Punjab College of Science, BISE Faisalabad, Pakistan		
Metric in Sciences	2004-2006	82%
Anjuman Sabirya Sirajia High School, Faisalabad, Pakistan		

ACHIEVEMENTS

- Maintained and ensured safe job execution and got “safety award” from refinery on completion of 1 million & 2.5 million man-hours without Lost Time Injury.
- Successful Installation & commissioning of different projects.
- Initiated different plant changes for the optimization of the refinery process.
- Merit based scholarships at college and university level.
- Got SPARK AWARD for handling the major emergency at plant.

TRAININGS/CERTIFICATIONS

- HYSYS Modelling & Simulation, RCM, Hazop
- Module IV (Incident Investigation) & SOP. (In house Training)
- **Certified** Honeywell DCS operation
- **Certified** H.O.T Penex process

VOLUNTEER POSITIONS / ACTIVITIES

Advisory Chair	SCME alumni association	2013 to date
Executive Head	Nust Science Society	2010 to 2012
Member	Young Engineers Association	2012 to date
Member	NUST blood donor society	2011-2012

PERSONAL

- ✉ Temporary Address: Flat#1136, Anh Phat 4, Ngh Son Economic zone, Thanh hoa, Vietnam
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