### Muhammed Javed Nauman

Yanbu 30362, KSA **|** Skype - javed\_nauman

00966543762557, 00966532016599**|** mohammednauman73@gmail.com

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**A resourceful professional with extensive 19 years of plant operation & process engineering experience in petrochemicals and chemical industry** to excel in providing opportunities for new initiatives in fields of Chemical Engineering and achieve personal and organisational goals. Experienced in pre-commissioning, commissioning and master start-up of chemical and petrochemical plant. Involved in trouble shooting and able to recommend cost reduction projects based on preliminary and engineering evaluations**.** Instrumental in operating and managing Urea plant, Ethylene Di-chloride Plant, Chlor Alkali Complex and utilities of the plant. **Groomed in multicultural environment and possesses computer working knowledge of Aspen Hysys plus/one, SAP PP-PI, Primavera 6, Tracces - TTG, Word, Excel & Power Point.**

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| * **Computer Skills**
* **SAP PP PI**
* **Product Cost Reduction**
* **Root Cause Analysis**
* **Shut Down Management**
* **Plant Maintenance**
 | * **Process Improvements**
* **Trouble Shooting**
* **Document Development**
* **Operational Management**
* **Coordination & Communication**
* **EMS Implementation & Monitoring**
 | * **MOC Preparation**
* **Team Leadership**
* **Process Training**
* **Inventory Management**
* **Internal Audits**
* **HAZOP Study**
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**Work history**

* **Process Engineer -** **AHQ CHEMICALS (Chlorine & EDC Plant)** Yanbu Saudi Arabia (June 2015 – Present)
* **Operation Specialist** - **SAMAPCO** **(Chlorine & EDC Plant)** Jubail Saudi Arabia (June 2012 to June 2015)
* **Operations Supervisor - JANA** **(ECH & Chlorine Plant)** Jubail Saudi Arabia (April 2007 to April 12)
* **Manager** Technical NESCOM (R **& D)** Islamabad Pakistan(November 2002 - March 2007)
* **Chemical Engineer - Sitara Chemicals** **(Chlorine Plant)** Faisalabad Pakistan (October 2000 – October 2002
* **Shift Engineer Pak China Fertilizer** **(Urea Plant)** Haripur Pakistan (June 1998 – May 2000)

# Key Accomplishments

* Enhanced process improvements to increase production capacity, improve reliability, reduce costs and energy, conserve raw materials, improve quality, and safety.
* Lent process engineering expertise to operations and providing the technical assistance. Implemented the Tracces TTG training system and ensured HSE compliance into all production and maintenance tasks.
* Experienced in developing a system to monitor Environmental Management System standards, Continuous Emission Monitoring System (CEMS), Effluents handling and report generation to royal commission.

# Professional Experience

**AHQ CHEMICALS,** Yanbu, Saudi Arabia 2015 – Present

***Process Engineer***

* Preparation of Feasibility study for Caustic & EDC complex.
* Oversee process simulation and modelling for EDC & Caustic plant. Supervise designing and sizing of process equipment (Pump, Heat exchanger, separators, valves).
* Draft PAP documents, review and submit to Royal Commission Yanbu to get EPC as well as prepare ERP and submit to RC Environment Department. Process water, Sale gas & Power calculation and distribution plan prepared as per plants requirement and submitted to RC Yanbu.
* Review manuals, PFD, PI&D and HAZOP Study on Caustic, EDC Plant.
* Formulate job description documents and co-ordinate with TKIS for detail engineering and Riyadh Geo technique & Foundations for Soil Analysis, Soil electric resistivity, CPLT & CHT for CA/EDC project.

**SAHARA MAA’DIN PETRO-CHEMICAL COMPANY,** Jubail, Saudi Arabia 2012 – 2015

***Operation Specialist***

* Developed Training and EMS system in operation department.
* Established system to meet requirements and adhered to RCER testing management and Continuous Emission Monitoring system (CEMS). Directed all internal audits and implemented TRACCESS CI system for staff training.
* Revised Manuals, PFD, PI&D and major production problems as well as employed approved studies and projects designed to enhance performance. Prepared investigation reports on process incidents and improvement trials.
* Rendered impeccable training and guidance to staff and liaised with vendors and licensor's for the scheduling of Trainings. Co-ordinated with DAELIM for pre-commissioning and commissioning activities CA/EDC project.
* Utilised SAP PP-PI system for CA/EDC plant as a power user.

**JANA Petrochemical Company (A Unit of NAMA Chemical Company),** Jubail, Saudi Arabia 2007 – 2012

***Operation Supervisor***

* Contributed in the review and approval of unit SOPs and communicated changes from outside departments. Implemented standard operating procedures in the plant, exercised a trouble-shooting and diagnostic role to correct any unsafe conditions with the help of MSDS, ISO-documents.
* Lent specialist advice to plant operating personnel and reduced product cost by monitoring raw material consumption. Performed an integral role in pre-commissioning, commissioning and master start-up. Coordinated activities of maintenance and quality control with the supporting departments.
* Effectively conducted visual inspection of processing equipment and reported to the Operation Superintendent. Facilitated decision making of the production manager with accurate recording of information concerning the operation of the plant. Analysed in-process and product samples and kept a check on chemical consumptions.
* Strategically planned, managed and completed plant annual shut down. Led Pre-commissioning, Commissioning and master start-up of the plant. Co-coordinated with lab to get in-process and product samples analysis monitoring the trend of key performance indicators (KPI) and corrective actions as required for keeping a check on specific chemical consumptions.

**NESCOM,** Islamabad, Pakistan 2002 – 2007

***Manager Technical***

* Spearheaded research and development group on different chemicals and electrochemical projects. Efficiently served as in-charge operation of a chemical plant. Designed and commissioned R&D lab and cooling system.
* Steered production team in the delivery of production plan, proactively led process monitoring by examining critical plant equipment and maintained production in compliance with plan and reported reasons for deviation. Ensured HSE compliance into all production and maintenance tasks.

**SITARA CHEMICALS INDUSTRIES,** Faisal Abad, Pakistan 2000 – 2002

***Chemical Engineer***

* Lent Production engineering services to improve the plant performance. Arranged start up, shut down & membranes replacement of electrolyser, gathered data about long term plant problems and formulated solutions for more productive operations.
* Led the RCA committee and organised production reports. Executed critical operating procedures to facilitate upkeep of plant integrity and guaranteed high safety standards by compliance to PPE’s.
* Conducted HAZOP study, Risk Analysis, Reduction in Total Reportable Incidents. Studied and collected data about long term plant problems and resolving it with the inputs from various agencies.

**PAKCHINA FERTILIZER,** Haripur, Pakistan 1998 – 2000

***Shift Engineer***

* Generated shift reports for operations manager, coordinated with the other sections and reported directly to the maintenance department about operational abnormalities to ensure work continuity. Promptly responded to fires and rescued plant equipment during emergency situations.
* Conducted evaluation of log sheets and mechanical status of the equipment to determine deviations from standard parameters, identified problems and developed corrective steps to reach resolution. Supervised routine tests and issued safety tags to carry out maintenance work.
* Maximised and increased water desalination plant equipment and auxiliaries’ utilisation with minimal costs in accordance with the company standards, policies and procedures.

# Professional Trainings

Process Simulation & Modelling Aspen Hysys plus - Octagon Management & Engineering Solutions Pakistan.

Aspen Hysys for Oil & Gas - Octagon Management & Engineering Solutions Pakistan.

Process Simulation & Modelling Aspen Hysys One Basic - Octagon Management & Engineering Solutions Pakistan.

Project Management Professional (PMP) Training - Centennial Training Institute Khobar KSA.

Primavera P6 - Octagon Management & Engineering Solutions Pakistan.

Communication in Multi-cultural Works Environment JUBAIL KSA.

Leader Effectiveness Training - GORDON TRAINING INTERNATIONAL KSA

Pre-commissioning & commissioning by DAELIM KSA

Process Plant Start-up Tips - NAMA Jubail KSA.

Supervisory skills development program - Synergy International Jubail KSA.

TRACESS Level-1, 2 - Petro skills Bahrain.

SAP power user CA/EDC plant by L&T INFOTECH INDIA

Customer Seminar chemical & Petrochemical by ENDRESS + HAUSER Switzerland

MS Excel Level 2 & 3 by Al Khaleej Training & Education (New Horizon Center)

Defensive driving Course - National Safety Council KSA

Advance Fire Fighting and Prevention - BAYAN KSA`

# Professional Membership

Member - SCE, Saudi Council of Engineering

Member - PEC, Pakistan Engineering Council

**Education & Credentials**

**B. Sc Engineering (Chemical Engineering)**, Punjab University Lahore Pakistan, 1997