

Holds a B. Sc. in Chemical Engineering and has over 12 years experience in attending pre-commissioning, commissioning, initial start-up, normal operation, normal start-ups, normal shutdowns, emergency shutdowns and troubleshooting activities.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 16/12/1985
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Chemical Engineering, Alexandria University, 2007

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Nebosh (General Certification).
: Aspen Hysys program.
: Training by Axens Company for Hydrocracking technology (ERC Refinery Plant).
: Trainer for new trainees with UNI SIM program (OTS) for Hydrocracker unit.
: Training in Egypt by Ineos Technology Company (petrochemical).
: Training in Germany (Dortmund & Hannover) by BMA (Sugar Technology Company).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2018 till now
Employer : Egyptian Projects Operation and Maintenance (EPROM)

- Project** : ERC Project ((Hydrocracking unit) - Maximum capacity = 300Nm³/h of Vacuum and heavy coked gas oil - Axens technology)
- Company products: Diesel & Kerosene & Gasoline & LPG & Sulpher & Coke.
 - Unit equipment: Fixed bed hydro-treating & hydrocracking reactors, reciprocating 3 stages compressors, centrifugal multi-stages recycle gas compressor, High pressure multi-stages centrifugal pumps, low pressure centrifugal pumps, Natural draft heaters, Fan air coolers, low and high pressure amine systems for H₂S removal from H₂, Low pressure LPG absorption from Naphtha, Low pressure stripper, Low pressure fractional distillation column and Heat exchangers.
- Job Description** :
- DCS Operator (Honeywell system), AXENS Technology:
 - Pre-commissioning, Commissioning activities with studying ESD Logic diagrams, cause and effects and DCS logic diagram and cause & effects, PIDs.
 - DCS Start-up, normal operation, troubleshooting and normal, emergency shutdown activities.
 - Assisting plant supervisor for safe & reliable plant operation.
 - Coordination with plant operator for smooth plant operations.
 - Coordination with maintenance departments for safe handover / takeover of equipment & machines and on-line plant jobs with initiation work request for maintenance.
 - Monitoring all control process parameters for various units from Main Control Room with taking quick & safe corrective actions in case of process upsets emergency situations, alarms or power failure in line with standing instructions.
 - Preparing the equipment and/or facilities shut down for maintenance and inspection and ensuring that all necessary procedures and instructions from Plant and Safety authorities are followed as defined in the work permit.
 - Sharing in preparing SOP of shutdown, start-up, emergency procedures and Risk assessments procedures.
 - Sharing as a trainer for new trainees in operating training simulation program (OTS) made by Honeywell (UNI SIM program).
 - PTW (permit to work) for cold and hot work, confined space, firefighting basic and H₂S awareness.
 - Writing technical reports.
 - Field Operator:
 - Pre-commissioning & Commissioning activities.
 - Plant Start-up and Shut down activities and normal operation of static & rotary equipment.
 - Ensure normal operation of plant and equipment.
 - Routine checkup of all process equipment, machineries, fire and safety equipment.
 - Monitoring process parameters and to take corrective measures in case of abnormalities.
 - Trouble shooting during emergencies.
 - Maintaining log register.
 - Keeping the plant safe and clean.
 - Communication to panel operators and shift supervisor about any abnormalities.
 - Supervise the activities being performed by various site contractors

from different work disciplines.

- Carry out surprise safety checks for conducting to ensure good working conditions of safety equipment.

- Dates** : From Jun. 2010 till Feb. 2018
- Employer** : Multinational TCI Sanmar (Petrochemicals)
- Project** : Port Said ((Vinyl Chloride Monomer Plant) – Product = 150000 ton/year of VCM - Ineos technology)
- Company products: Ethylene & vinyl chloride monomer (VCM) & PVC & Caustic soda and chloroalkalys.
 - Units & equipment handled:
 - Pressure and vacuum distillation columns, scrubber, steam stripper.
 - Double fired natural draft thermal cracking furnace (13.08MMKcal) for ethylene dichloride (59.4ton/h).
 - Shell & tube thermo syphon reboilers, kettle chillers, condensers, Steam jacket evaporators.
 - Fixed bed catalytic reactor, Pumps, basket filters.
 - Refrigeration unit (1500 KW propylene screw compressor made by Austcold Company).
- Job Description** :
- DCS Operator (Honeywell Experion process knowledge DCS system):
 - Start-up, normal operation, troubleshooting and shut down activities.
 - Assisting plant supervisor for safe & reliable plant operation.
 - Coordination with plant operator for smooth plant operations.
 - Coordination with maintenance departments for safe handover/takeover of equipment, machines and on-line plant jobs with initiation work request for maintenance.
 - Monitoring all control process parameters for various units from Main Control Room with taking quick & safe corrective actions in case of process upsets emergency situations, alarms or power failure in line with standing instructions.
 - Preparing the equipment and/or facilities shut down for maintenance and inspection and ensuring that all necessary procedures and instructions from Plant and Safety authorities are followed as defined in the work permit.
 - Field Operator:
 - Following the pre-commissioning by making check lest by isometrics and PID, Water flushing, Instruments checking, hydraulic and pneumatic testing.
 - Following commissioning by drying of all equipment by EDC (ethylene dichloride), instruments stroke checking.
 - Plant Start-up and Shut down activities and normal operation of static& rotary equipment.
 - Ensure normal operation of plant and equipment.
 - Routine checkup of all process equipment, machineries, fire and safety equipment.
 - Monitoring process parameters and to take corrective measures in case of abnormalities.
 - Trouble shooting during emergencies.
 - Maintaining log register.
 - Keeping the plant safe and clean.
 - Communication to panel operators and shift supervisor about any abnormalities.

- To lead, guide and motivate the teams of site contractors to carry out activities in a safe manner keeping zero accident as the ultimate target.
- Supervise the activities being performed by various site contractors from different work disciplines.
- Carry out surprise safety checks. These checks are conducted to ensure good working conditions of safety equipment and compliance to safety practices.

- Dates** : From May 2009 till Jun. 2010
- Project** : Nile Sugar Company (Orascom Group), Alexandria ((Front end unit) – Maximum capacity = 1000 ton/day of beet sugar - BMA technology)
- Company brands: Beet sugar, molasses.
 - Units & equipment handled:
 - Multiple effect evaporators, Pumps, belt conveyors, agitating tanks, slicing machine.
 - Solid liquid extraction tower, Carbonation unit with clarifiers, candle filters, Ion exchangers.
- Job Description** :
- Pre-Commissioning, Commissioning Engineer:
 - Pre-Commissioning with Loop tests by isometrics and PID, Water flushing, Instruments checking, hydraulic and pneumatic testing.
 - Commissioning by running the plant by water before start-up.
 - Junior Shift Production Engineer: Leading team of technicians in Start-up & normal operation from DCS (Siemens system), Field.
- Field of experience** : 12.5 years as total experience (3 years, 8 months in refinery – Hydrocracker unit in Egyptian Refinery Company ERC Plant, AXENS Technology + 7 years, 8 months in petrochemicals + 1 year, 1 month in sugar industry.