



Aat Safaat ST., CPE 1

Education	Bachelor Degree in Mechanical Engineering
University	Sultan Ageng Tirtayasa University
University Location	Cilegon, Banten, Indonesia
Date CPE1 Awarded	08 August 2020

Summary

I have 20 years experiences in Maintenance Mechanical Dicipline on many industries such as: World Class Steel Company, Chemical Company, Heavy Industry, Sugar Refinery, The Largest Fertiliser Company Single Producer in The World (Urea, Nitrogen, Ammonia, Melamine) in Qatar, and LNG Company.

As work leader for LTPI GTC (Gas Turbine Compressor) GE MS-5002. To lead execution LTPI Activities with successfully, safely manner and on time schedule. As work leader for LTPI GTG (Gas Turbine Generator) GE MS-5001, To lead execution LTPI Activities with successfully, safely manner and on time schedule.

Training

2020

International Association of Certified Practicing Engineers

IACPE International

Failure Mode and Effect Analysis (FMEA) PT. Integra Solusi Dinamika
Reliability Centered Maintenance (RCM) PT. Integra Solusi Dinamika

2019

Process Safety Management PT. DSLNG
Communication at Work PT. DSLNG

2018

Dry Gas Seal – John Crane John Crane
Nikkiso Cryogenic Pump Nikkiso International
First Aid Training Level-2 PT. Medika Pratama

2016

Motivational Session-The Meaning of Work PT. DSLNG

2015

Siemens Boil off Gas Compressor Siemens
SVT Loading Arm SVT International
Main Cryogenic Heat Exchanger (MCHE) Air Product
Nikkiso Cryogenic Pump Nikkiso International

2012

Safety Training for Forklift Operation BUREAU VERITAS, Qatar

2011

TPP and TAFE system for Coaches of Qatari Trainee Qatar Petroleum, atar
Shaft Lase Alignment Haward Technology
Middle East, Qatar

2010

Safety Training for Rigging and Slings Operation

BUREAU VERITAS

2005

Basic Quality Management System (QMS) ISO 9001:2000

**Sultan Ageng Tirtayasa
University**

2004

Basic Organization and Leadership Training

**PT. LAUTAN OTSUKA
CHEMICAL**

2002

First Aid & MSDS

**PT.LAUTAN OTSUKA
CHEMICAL**

2000

Hydraulic, Pneumatic and Lubrication

PT. Krakatau Steel

Working Experience

December 2014 – Present

PT. DONGGI SENORO LNG

Position: Senior Mechanical Field Technician

Responsibilities:

- To maintain the technical integrity of the integrated Production Systems.
- To ensure that maintenance of production facilities and equipment are effectively undertaken.

- To ensure total asset integrity, reliability/availability is maintained and that work is executed in a safe and efficient manner. Execute Field Maintenance activities in accordance with maintenance schedule/plan.
- To execute preventive and corrective maintenance activities the plant equipment such as Rotating Equipment; Gas Turbine, (Markers; GE MS 5001 and GE MS 5002, Nuovo Pignone), Compressor (Maker; Mitsubishi, Siemens), Pumps (Nikisso, Ebara, Flowserve), Diesel Engine, Screw Compressor (Maker; Atlas Copco), gearbox, Fin fan Cooler etc. and Static Equipment like shell-Tube Heat Exchanger, MCHE (Main Cryogenic Heat Exchanger), Scrub Column, Gas Separator, Column, Drum, Storage Tank, Manual Valves, Flare, Marine Loading Arm (Maker; SVT – Germany), Hydraulic System, etc.
- Troubleshoot abnormalities arising in the plant and gas field equipment. Execute all assigned work tasks in line with agreed plant operating philosophies, and in line with current Maintenance Craft Procedures and work practices.
- To supervise sub-contractor and ensure job execution with safely and meet standard.
- To Report to Maintenance Supervisor on status of daily activities and work progress. To assist Mechanical Supervisor to control and plan work activities. Interface with other maintenance/service department staff to coordinate breakdown or routine maintenance work on facilities and plants.
- Signatory for Permit to Work activities within area of responsibility as licensed and advised by Supervisor and to perform Tool box Meeting before start the job with a Team as a Work Leader.
- To guides Junior Technician or Technical apprentice as mentor and be an assessor.
- To Maintain a high level of safety awareness and standards in all daily duties and tasks and guide the subordinate staff on safe working practices.
- To Carry out Call out duty roster and Auxiliary Emergency Response Team as member.

June 2009 – December 2014

QATAR FERTILISER COMPANY (QAFCO)

Position : Mechanical Field Technician-1 at Ammonia, Urea and Nitrogen Plant

Product : Ammonia, Urea Prill and Granular, Urea Formaldehyde, Melamine.

The Application of Product: Raw material for many industry and export market, etc.

Responsibilities:

- To perform and participate in the preventive, corrective and mechanical maintenance activities of the plant equipment such as single and multi-stage Centrifugal Pumps (Makers; EBARA, FlowServe, Nuovo Pignone), Ammonia Plunger pump (Maker; URACA-Germany), Screw Compressor (Maker; Atlas Copco), gearbox, Blowers, etc. and Static Equipment like shell-Tube Heat Exchanger, Plate exchanger, Reactor, High Pressure Scrubber, Gas Separator, Column, Vessel, Storage Tank, Manual Valves for HP and LP, Flare, etc.
- To Communicate with area operator event any equipment job for takeover and handover.
- To attend Toolbox meetings to establish scope of work activities such as safety requirements, permits to work, special tools and materials.
- To identify spare parts required for maintenance work, from manufacturers, drawings and spare parts lists.
- To perform shutdown maintenance repair all static equipments (Heat Exchangers, HP scrubber, Columns, MP Absorber, Gas Separator, Flare, etc.) and To perform Pressure Test as per procedure for Static Equipment (Heat Exchangers).

March, 2009 – June 2009

PT. Angel Product

Position : Mechanical Field Line Head (Supervisor)

Product : Sugar Refinery

The Application of Product: Local Market and Beverage Industry

Responsibilities:

- To Plan and implementation of preventive maintenance and predictive maintenance program
- To Check availability spare part and establish purchase requisition of remain spare part.
- To Perform root cause failure analysis on rotating and static equipment.
- To Set up Technician work schedule, conduct supervising at order and control immediately to prevent equipment damage and receive a good maintenance quality.
- To coordinate and supervise subordinate and contractor in accordance with work procedure.
- To carry out, implement HSE, housekeeping and security activities for creating safe and secure workplace accordance to the HSE and QMS.

April, 2007 – March 2009

PT. KORINDO HEAVY INDUSTRY

Position : Mechanical Maintenance Engineer

Product : Wind Tower Manufacture

The Application of Product: Wind Turbine for Wind Energy

Responsibilities:

- Responsible for organizing the analyze equipment running status, annual updating and transformation equipment maintenance plans and programs.
- To Monitoring, Preventive Maintenance for machine or equipment Rotating and Static.
- Processing equipment failure handling, equipment maintenance work, technical support and review of the technical feasibility of long term measures.
- To carry out trouble shooting and Coordination with vendor.
- To develop Procedure in the Maintenance Department.

April, 2004 – January 2007

PT. LAUTAN OTSUKA CHEMICAL

Position : Mechanical Project Staff at Engineering Section

Product : Blowing Agent (Azodicabon Amide) Manufacturer

The Application of Product: Footwear, Cushioning, Heat insulators, Sound insulators, Filters, Stretchable or Flexible materials, Decorative materials.

Responsibilities:

- Preparing, scheduling, coordinating, and monitoring assigned engineering projects.
- Formulating project parameters and assigning responsibilities to the most capable employees and monitoring the project team.
- Performing quality control tasks on budgets, schedules, plans, and personnel performance and reporting on the project's status.
- Cooperating and communicating with the Project Superintendent and other project participants and collaborating with Senior Engineers to create more efficient project methods and to maintain the project's profitability.

- Reviewing the engineering tasks and initiating the necessary corrective actions.

March, 2002 – April 2004

PT. LAUTAN OTSUKA CHEMICAL

Position : Senior Mechanical Technician

Product : Blowing Agent (Azodicarbon Amide) Manufacturer

The Application of Product: Footwear, Cushioning, Heat Insulators, Sound insulators, Filters, Stretchable or flexible materials, Decorative materials.

Responsibilities:

- To execute preventive maintenance and annually shutdown maintenance.
- To dismantling, assembling and repair also trouble Shooting of Rotating Equipment like Centrifugal pumps, Gear Pumps, Screw Compressors, Fans, Blowers, Agitators, etc. and Stationary Equipment like Jacket Vessel, Storage Tank, Cooling Tower, Heat Exchanger, Belt Conveyor, Bag Filter, Dryer, Valves, etc.

September, 2000 – March 2002

PT. DELAPAN MITRA MANDIRI

Position : Hydraulic, Pneumatic and Mechanical Technician

Product : Sub-Contractor for PT. Krakatau Steel

Responsibilities:

- To Repair of Hydraulic Equipments such as Hydraulic Cylinder, DCV (Direct control Valve, Hydraulic Pump and Hydraulic Motor).
- To Repair of Pneumatic Equipments such as Pneumatic Cylinder, Valves, actuator.
- To carry out trouble shooting in the field as required.