

Kanyawee Aunsuea

Project Engineer



Summary

Years of Experience

7 years

Industries

- Petroleum
- Petrochemical

Types of Facilities

- Petrochemical process
- Refinery
- Utility Units

Areas of Expertise

- Process Engineering
- Project Execution and Engineering Management
- Detailed Design and engineering deliverables
- Engineering Coordination

Professional Summary

Kanyawee has seven (7) years experiences Process Engineering and Project Management and Engineering for Petroleum and Petrochemical Industrials. Kanyawee has a Membership of the Chemical Engineering Institute.

Education

Bachelor in Engineering, Chemical Engineer, King Mongkut's Institute of Technology Ladkrabang (GPA 2.80)

Registrations / Certifications / Licenses

Engineering License Class I

Software / Skills

- PRO II and Visual flow Simulation Program
- Project execution for EPC Project

Languages

- English
- Thai

Address

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2016 – Apr 2019

PTTGC Olefins Reconfiguration Project (ORP Project)

Plant Location : The plant is located in Map Ta Phut, Thailand.

Plant description: The Olefins Reconfiguration Project (ORP) includes a utilities unit and storage facilities (OSBL) for process plant (ISBL). The plant is planning a capacity of 500,000 metric tonnes/year polymer-grade ethylene.

Process Engineer

- Technical support and coordinate with Construction team and Owner team
- Created Flare network philosophy for HP flare and LP flare system.
- Verification existing LP flare network to suit with existing LP flare stack
- Process Design of Process Safety (Fire Proofing and Fire Fighting system).
- Participate 3D model and Hazard and Operability study (HAZOP) and Safety Integrity Level (SIL) Study for Flare system and steam condensate.

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2014 - 2016

SCC RAPID Utility Project (OSBL)

Project location : Johor, Malaysia

Plant description: The Steam Cracker Unit for Petroliaam Nasional Berhad (PETRONAS). Consists of ISBL process unit and OSBL utility unit designed to produce polymer Grade Ethylene and Polymer Grade propylene for Olefins production.

Process Engineer

- Detail design for Process Safety Design data for Fire Proofing and Fire Fighting system.
- Detail design drainage system included drainage system of transformer yard.
- Design hydraulic calculation sizing of Basin for Accidental contaminate continuously water in process area.
- Design and verify Thermal Rating for Heat exchanger via HTRI simulation Program.
- Detail design Overall Utility Consumption, Utility Balance Diagram and Utility Station.

2012 - 2014

Carbon Capture and Chlo-Alkali Plant Project

Project location : San Antonio, Texas

Plant description: The Chlor-Alkali plant is designed to produce 230 MTPD 32%NaOH and SkyMine facility to recover carbon dioxide gases from the flue gases

Process Engineer

- Detail design hydraulic calculation, Instrument Process design data (Temperature, Pressure, Level, and Flow element) and confirm load of Safety Device Breather valve, PSV and Rupture Disc.
- Detail design and verify P&ID, PFD, Equipment list and Line list for Carbon Capture plant.
- Take care engineering detail design for Sodium Bicarbonate Conveying System.
- Directly support Lead project Engineer, Coordination and deliverables among disciplines
- Procurement document for purchasing Bicarbonate Dryer Package to coordinate with vendor to request Quotation, Prepare Requisition, Bid tabulation and Internal Purchase Order (IPO).
- Checking vendor print and technical clarification with supplier.

Professional History

- Wood (Foster Wheeler) (May 2019 up to present)
May 2019 Project Engineer – Wood (Foster Wheeler).
- TTCL Public Company Limited (2011 – 2019)
2012-2019 Process Engineer – TTCL Public Company Limited.