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# PRAWETH SUWAN

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## Personal Data

Date of Birth : April 29, 1983  
Marital Status : Married  
Nationality : Thai  
Religion : Buddhism  
Military Status Exempted : Reserved Training Course

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## Education

2001 – 2005 :  
KASETSART UNIVERSITY, FACULTY OF ENGINEER (major: AEROSPACE ENGINEER) Grade / GPA:  
2.90

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## Professional Summary

Mechanical Design Engineer with 14 years career experience providing cost effective solutions and resolutions. Highly adept in technical writing and drawing with extensive project management capabilities. Possesses exemplary communication and analytical skills.

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## Core Qualification

- Highly experience in mechanical design
  - Cost estimating
  - Mechanical engineering schematics writing
  - Design Knowledge skill for ASME, API, TEMA, AWWA and ASCE7
  - Software skill for PVElite, HTRI, FE Pipe, MS Office, AMETank, AUTOCAD, SolidWork and SAP2000
  - Analytical thinking
  - Excellent communication skill
  - Project internal management
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## Experience

Company : Samsung Engineering (Thailand) Company Limited  
Position : Sr. Project Mechanical Engineer (Stationary Equipment)  
Year : 2018 to Present

- Collect & Feedback of Engineering know-how & troubleshooting
- Improve & Develop technical capability & engineering skill of staffs
- Lead key meeting with vendor & owner
- Monitor expedite & schedule control for fabrication work at shop and site

Company : Toyo-Thai Corporation Public Company Limited  
Position : Mechanical Engineer (Section Chief LV.1)  
Year : 2005 to 2018

### **General**

- Fully understanding and utilizing of the basic requirement for followings code & standard
- Evaluate cost & man-hour estimation for budgetary and project work period
- Evaluate clarification of technical points in the contract or owner' comments
- Establish & development standard procedure & manual for engineering
- Establish design quality improvement plan and control in view of mechanical design
- Establish detail engineering, procurement and construction schedule
- Approve all documents & drawings including calculations
- Established and Pre-Qualification of new vendors for company
- Collect and solve the risk item in risk management program
- Collect & Feedback of Engineering know-how & troubleshooting
- Improve & Develop technical capability & engineering skill of staffs
- Lead key meeting with vendor & owner
- Monitor expedite & schedule control for fabrication work at shop and site
- Auditor (Internal)
- Establish mechanical data sheet, equipment specification sheet
- Establish strength calculations, engineering drawing and fabrication drawing according equipment data sheet.
- Prepare Inquiry & Purchase Order documentation including material take-off for equipment.
- Collect technical/commercial part from vendors and owner to prepare bid-tabulation to evaluate.

(Experience for equipment is Pressure Vessel, Storage Tank, Column, FRP Equipment, Shell and Tube Heat Exchanger, Air Cooled Heat Exchanger, Plate and Frame Heat Exchanger, Filter, Static Mixer, Bypass Stack, Heat Recovery Steam Generator)

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### **Languages**

Spoken : Thai, English  
Written : Thai, English  
Learn : Japan  
TOEIC Score : 705

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## **Project Experience List**

### **(SET)**

2018 - Present : Expediter and Control Fabrication Work (PO Project)

Response for Drum, Shell and Tube Heat Exchanger

2018 - Present : Expediter and Control Fabrication Work (TOCGC Expansion Project)

Response for Drum, Shell and Tube Heat Exchanger, Tower, Storage Tank

### **(TTCL)**

2017 - 2018 : LEAD ENGINEER (D-192\_ Myanmar Power Plant Project Phase-2)

Response for Storage Tank, Pressure Vessel, Filter, Bypass Stack, Shell and Tube Heat Exchanger

2016 - 2017 : LEAD ENGINEER (D-183\_ ROCD2 Project)

Response for Modification of Tower, Modification of Drum, Shell and Tube Heat Exchanger

2016 – 2017 : LEAD ENGINEER (D-182\_ Klongluang Power Plant Project)

Response for Storage Tank, Pressure Vessel, Filter, Shell and Tube Heat Exchanger, Plate and Frame Heat Exchanger

2014 – 2017 : Adviser Engineer (D-174\_ BangPoo SPP Power Plant Project)

Response for plan, manage for part of Static Equipment (BOP) design, Procurement, Schedule control

2013 – 2017 : Adviser Engineer (D-173\_ Latkrabang SPP Power Plant Project)

Response for plan, manage for part of Static Equipment (BOP) design, Procurement, Schedule control

2013 – 2017 : LEAD ENGINEER (D-176\_ CHP II PROJECT)

Response for Storage Tank, Pressure Vessel, Filter, Shell and Tube Heat Exchanger

2012 – 2015 : LEAD ENGINEER (F037\_ Myanmar Power Plant Project)

Response for Storage Tank, Pressure Vessel, Filter, Bypass Stack

2011 – 2013 : SUBLEAD ENGINEER (F029\_ LampsUpMy Project, Lynas Malaysia Sdn Bhd.) Response for FRP Equipment, FRP Mixer-Settler

2011 – 2013 : LEAD ENGINEER (D154A\_ NNE Electricity and Chilled Water Supply Project) Response for Plate and Frame Heat Exchanger, Storage Tank

2010 - 2012 : LEAD ENGINEER (D154 \_NNE CCGT SPP Project, Navanakorn Electric Co., Ltd.) Response for Pressure Vessel, Filter, Plate and Frame Heat Exchanger, Storage Tank

2009 - 2011 : Assign Engineer (D-145\_ HPPO2-HP Project, SOLVAY Peroxythai Limited ) Response for Air Cooled Heat Exchanger

2008 - 2010 : Assign Engineer of D-143\_PPCL BPA Project, PTT Phenol PLC.) Response for Storage Tank, Silo

2007 - 2010 : Assign Engineer of D-137\_PTT LDPE Project, PTT Polyethylene Co., Ltd.) Response for Air Cooled Heat Exchanger, Static Mixer

2007 - 2008 : Assign Engineer of D-135\_MTP 275 kta, DBN Project, Bayer Thai Co., Ltd.) Response for Pressure Vessel, Shell & Tube Heat Exchanger, Electric Shell and Tube Heat Exchanger

2005 - 2007 : Assign Engineer of D-130\_PC Debotlenecking Project, Bayer Thai Co., Ltd.) Response for Pressure Vessel

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