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# BORDIN PRASERTSUWAN

## Mechanical / Project / Piping Engineer



### Career Summary

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Bordin has about 6 years of an international and Thailand experience as Mechanical and Piping Engineer of petroleum, petrochemical, utility, data center facilities and industrial projects consisting of engineering design, material and cost management, and mechanical process.

I am also familiar in occupational, hygiene, safety and environment regulation and serve as a technical safety committee for CTCI (Thailand) co.,ltd for year 2011 to 2013.

I am also able to manage the project especially in petrochemical field. The Project management including budget estimation, project specification, schedule work, cost control, on field instruction and line check before handover.

I have a strong knowledge in PFD, P&ID as well as an equipment datasheet. I am also familiar with some international codex and standard such as ASME B31.3, ASTM, NFPA.

I have a good level in speaking, reading and writing English with the TOIEC score 830 (Aug'20<sup>th</sup>, 2012) and he has a beginning level in speaking, reading and writing Mandarin Chinese. He is familiar with Piping Design software e.g. PDMS, PDS, PMCS, AutoCAD, Navisworks and general software e.g. MS Project, MS office applications (Excel, Word, PowerPoint).

*Date of Birth :*  
11th April 1982

*Gender: Male*

*Nationality : Thai*

*Education :*  
Chiangmai University,  
Thailand.

*Qualification :*  
Bachelor Degree in  
Mechanical Engineering

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### Experience

**Feb 2015 to Present**

**Penspen Co.,Ltd**

*Piping/Mechanical Engineer*

- Responsible for detail design piping routing, pipe support design and overall layout checking for:
  - **Provincial Gas Transmission Pipeline Project:** PTT 28" Gas Transmission Pipeline from Wangnoi Ayudya to Nakhonsawan.
- Responsible for Piping and Mechanical Technical Consulting Project:

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- **SPX line:** PTT – Thailoil – ESSO, Sriracha, Chonburi, Thailand. 12 in Pipeline transfer Paraxylene from Thailoil Tank Farm to PTT Berth#5
  - Technical consulting for PTT for Piping routing detail design pipe stress report and constructability.
  - Responsible for FEED project:
    - **Yangon International Airport Jet A-1 Fuel Upgrad Project:** Front End Engineering Design for Process and Firefighting piping.

**May 2013 to Feb 2015**

**Vinythai Public Company Limited, Rayong, Thailand**

*Mechanical Engineer / Project Engineer*

- Responsible for all modified and new project in ECH (Epichlorohydrin) Plant
  - Develops project objectives by reviewing project proposals and making plans including job method sheet and job safety analysis
  - Determines project schedule by studying project plan and specifications, budget estimation and calculating time requirements
  - Designs, sketch the piping routing and calculate the piping stress analysis if necessary, and give information for vendor and sub-contractor
  - Purchasing material and cost control by approving expenditures
  - Maintains project schedule by monitoring project progress, coordinating activities and resolving problems
  - Controls project plan by reviewing design, specifications, and plan and schedule changes
  - Maintains safe and clean working environment by enforcing procedures, rules, and regulations.
  - Checking and testing project before handover
  - Prepare project status report, analyzing and summarizing information
- Provide information support and advice to the organization
  - Provide internal document with scientific and technological advise to resolve technical problems or product quality problems.

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**May 2010 to April 2013**

**CTCI (Thailand), Bangkok, Thailand**

*Piping Stress Engineer*

- Responsible for piping stress coding and input for stress analysis by using CEASAR II, job site surveying, problem solving, design and issue stress ISO drawing
- **IRPC Excalibur:** IRPC, Rayong, Thailand. 12 in and 6 in Ethylene piping -104 degree centigrade lines. (Aug 2012 – Nov 2012)
- **IRPC Phoenix:** IRPC, Rayong, Thailand. 6 in and 3 in. Ethylene piping -104 degree centigrade. (Nov 2013 – Apr 2012)

*Piping Engineer*

- Responsible for designing of piping system, issue ISO drawing, material take-off, Pipe support design and issue GA drawing for the following projects :
  - **OPTC PTA:** Pure Terephthalic Acid, OPTC, Taichung Industrial Park , Taiwan (Sep 2011 – July 2012)
  - **PTT CWW:** Comprehensive Waste Water Treatment Plant. PTT UT, Rayong, Thailand (Jun 2010 – Oct 2010)
- Responsible for Material take-off, Pipe routing and valve MTO for bidding for the following projects :
  - **Saudi Aramco Rabigh II CP1 Project**, Saudi Arabia
  - **Opal PP plant Project**, India

**Nov 2010 to May 2011**

**Jing Ding Engineering and Construction, Beijing, China**

*Piping Engineer*

- Supply manpower for 30KTA NBR Project: JV btw Lanxess Germany and TSRC Taiwan, PDMS
- General Arrangement Piping Drawing Production for PTA (Pure Terephthalic Acid) revamping Project

**Jan 2009 to Feb 2010**

**TSS CO., LTD, Samutprakan, Thailand**

*Mechanical Design Engineer*

Design and consult for all building mechanical system as following:

- Fire Protection & Suppression System
- Ordinary and Computer Room Air Conditioning System
- Air-conditioning system for general area, Data Center & IT-room
- Sanitary system
- Cost Control & Produce BOQ

Project references:

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- Thailand Post New Data Center Chaeng Wattana, Bangkok
  - Institute of Director (IOD) Conference room and office, North Park, Bangkok
  - CIMB Thai Data Center and DR Site, Suksawad, Samutprakran
  - PTT TPIT Data Center and Office, 11<sup>th</sup> floor PTT PLC, Bangkok
  - Abbott Office, Muang Thai Pattara Building.
  - YARA office, The Emporium 22<sup>nd</sup> floor, Bangkok
  - Nike Shop, Siam Square, Bangkok
  - CIMB Thai Branch, Surattani
  - Bank of Ayudhya, Queen Sirikitiya Convention Center, Bangkok
  - TMB Branch, The Mall Ngamwongwan, Nontaburi

**Oct 2008 to Dec 2008**

**Sino-Thai Engineering and Construction, Rayong, Thailand**

*Site Engineer*

- Site Engineer at Banchang fabrication yard for main pipe rack module for PLUTO LNG PHASE I Project

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## **TRAINING**

CTCI (Thailand) CO.,Ltd:

- PDMS: Piping Design Management System
- PDS: Piping Design System
- PMCS: Piping Material Control System
- Piping Material Specification
- OHSE: Occupational, Hygiene, Safety and Environment Committee
- Pipe Support Design
- Loop Expansion Calculation
- Nozzle Thermal Movement Calculation

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## **Optional**

**Current Address:**

688/1318, 19<sup>th</sup> floor, Building A, Supalai Pak Srinakarin Condominium, Nongbon, Prawat, Bangkok Thailand, 10260

**Home Address:**

106/59, Mahidol Rd., Nonghoi, Muang, Chiangmai, Thailand, 5000

**Mobile Phone:**

085-9341997,

**E-mail:**

[bangic@hotmail.com](mailto:bangic@hotmail.com) , [bordin.p@outlook.com](mailto:bordin.p@outlook.com)

**Marital Status:**

single

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**Military Status:** Reserve officers training corps course(ROTC)

**Engineering License:** License for Professional Practice, Associate Mechanical Engineer

**Driving License:** Personal cars. ID. No. 47004003

**Campus activities:**

- 1) Volunteer Club
  - Camp management Club vice-president
- 2) Auto challenge Club
  - 3rd Place in an innovation field for adjusting auto gear changing system in TSAE Auto Challenge 2006
- 3) Faculty's Football club
  - 3rd place in CMU freshman games
- 4) Faculty's Music club Club's member