



Name	Mr. Apisak Tangkratoke (นาย อภิศักดิ์ แทงกระโทก)
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Mobile Phone No.	081-3536915
E-mail address	kohmilano@gmail.com
Year of Birth	Born in October 19,1980, citizen of Thailand
Education	King Mongkut's University of Technology Thonburi, Thailand, B.Eng. in Mechanical Engineering, 2005
Current Position	Senior Piping Engineer
Computer Skills	PDMS, CAESAR II, AutoCAD, Auto Pipe & SPM
Professional Societies	Qualified Engineer License (Mechanical) – Level I # ก189750
Summary of experience	<p>My experience as follow.</p> <ol style="list-style-type: none">1. Significant experience in Power Plant, Wellhead Platforms, Production Platforms, Oil Refinery and Petrochemical Plant.2. Experience of piping design such as piping 3D model, isometric drawing, piping general arrangement drawing and pipe support drawing.<ol style="list-style-type: none">2.1 Provides input to designers and review engineering drawings.2.2 Perform design review of 3D models.2.3 Review and approval isometric drawing from piping design team.2.4 To issue piping spool drawings to construction site.2.5 Equipment drawing check list.3. Prepare the schedule of piping deliverables base on the overall schedule of the project.4. Coordinates technical documents with other disciplines.5. Review IDC.6. Support to site construction.

7. Piping stress and Piping flexibility knowledge.
 - 7.1 Able to use CAESAR II software.
 - 7.2 Prepare the stress analysis report.
 - 7.3 Prepare the stress critical line list.
 - 7.4 Provide loading information to Civil and structural team.
8. PDMS admin for create new project and develop database as follow.
 - 8.1 PDMS design modules.
 - 8.2 PDMS draft modules.
 - 8.3 PDMS Isometric draft modules.
9. Experience of Piping materials package for valve, SP-item, pipe B31.8, pipe, flange and fitting.
 - 9.1 Prepare the MTO, RFQ, TBE and UPO.
 - 9.2 Check and reviews vendor data/drawings as well as specifications.
 - 9.3 Meeting with vendor.

Pöyry Energy Ltd Experience

Jul 06, 2015 – Present

Pöyry Energy Ltd. (Bangkok, Thailand)



Position : Senior Piping Engineer

Projects:

Oct 2018 – Present
(Sr. Piping Engineer)

Gulf Chana Green Project.
Responsible for :

- Provides input to designers and review engineering drawings.
- Review and check piping 3D models.
- Review and approval isometric drawing.

Sep 2018 – Present
(Sr. Piping Engineer)

SRF Plant Expansion project. (Rayong)
Responsible for :

- Site survey.
- Kick off meeting.
- Plan schedule of piping deliverables.
- Plant layout study.
- Piping detail design 3D model base on scope of work.
- Provides input to designers and review engineering drawings.
- Review and check piping 3D model.
- Review and approval isometric drawing and piping GA drawing.
- Coordinates technical documents with other disciplines.
- Equipment drawing check list.
- Prepare the materials take off.
- Support to site construction.

May 2016 – Present
(Sr. Piping Engineer)

Gulf MP 12 SPP Project; Gulf MP 12 SPP Project
Responsible for :

- Provides input to designers and review engineering drawings.
- Review and check piping 3D models.
- Review and approval isometric drawing.
- Coordinates technical documents with other disciplines.
- Review IDC.
- Prepare the As-built drawing and As-built documents.

Oct 2015 – Dec 2015
(Sr. Piping Engineer)

Engineering Design Services for Chiller Replacement
(VINYTHAI Public Company Limited)
Responsible for :

- Site survey location of tie-in point.
- Kick off meeting.
- Plan schedule of piping deliverables.
- Estimate man hour.
- Piping detail design 3D model base on scope of work.
- Review and check piping 3D model.
- Review and approval isometric drawing and piping GA drawing.
- Equipment drawing check list.
- Prepare the materials take off.
- Support to site construction

Jul 2015 – Apr2016
(Sr. Piping Engineer)

NA4 CHP – Project (Finland)
Responsible for :

- Review and approval isometric drawing and piping GA drawing.
- Review and check piping 3D model.
- Review and approval isometric drawing.
- Equipment drawing check list.
- Coordinate with Finland design team.

Work Experience prior to joining Pöyry Energy Ltd.

Aug 2010- Jun 2015



**Thai Nippon Steel & Sumikin Engineering & Construction Corp. Ltd.
(Bangna Office, Thailand)**

Position : Senior Piping Engineer

Projects:

**Mar 2015 - Present
(Sr. Piping Engineer)**

Provision of Yetagun Onshore and Offshore Facilities Maintenance Services for PC Myanmar (Hong Kong) Limited: Detail Engineering for Infill Drilling.

Responsible for :

- Prepare piping project specification and piping datasheets.
- Prepare pipe stress analysis report.
- Prepare piping wall thickness calculation report.
- Prepare the piping MTO, RFQ, TBE and UPO
- Review and approval for vendor document.

**Mar 2013 - Present
(Sr. Piping Engineer)**

Bongkot Long Term Contract for The EPCI of Wellhead Platforms, Associated Pipelines and Tie-In Works (B3M, B4C, B3N & B4D phase)
Responsible for :

- Prepare piping project specification and piping datasheets.
- Piping materials package for SP-item and pipe B31.8.
- Prepare the piping MTO, RFQ, TBE and UPO
- Meeting with vendor.
- Review and approval for vendor document.
- Review IDC.
- Piping 3D model review.
- Review isometric drawing.
- Review equipment nozzle orientation
- Support to site construction.
- Prepare the As-built drawing and As-built documents.

**Mar 2013 – June 2014
(Sr. Piping Engineer)**

Arthit And Bongkot Field Development Bundled Phases Project I (B3L & A2C phase)

Responsible for :

- Prepare piping project specification and piping datasheets.
- Piping materials package for SP-item and pipe B31.8.
- Prepare the piping MTO, RFQ, TBE and UPO
- Meeting with vendor.
- Review and approval for vendor document.
- Review IDC.
- Piping 3D model review.
- Review isometric drawing.
- Review equipment nozzle orientation
- Support to site construction.
- Prepare the As-built drawing and As-built documents.

Aug 2012 - Feb 2013
(Piping Engineer)

Provision of Fabrication, Hook-Up and Commissioning Services for Wellhead Platform Project (BMD)

Responsible for :

- Prepare piping material datasheets.
- Prepare the piping MTO, RFQ, TBE and UPO.
- Review and approval for vendor document.
- Review IDC.
- Support to site construction.

Feb – Jul 2012
(Piping Engineer)

Bongkot and Arthit Booster Compressor Phase 3 Platforms Project.

Responsible for :

- Pipe stress analysis by CAESAR II.
- Prepare the stress analysis report.
- Prepare the stress critical line list.
- Provide loading information to structural team.
- Review isometric drawing from piping design team.

Jan – Feb 2012
(Piping Engineer)

De-bottlenecking Horizontal Wells in WPS-2 and WPS-6 project.
(Flow line Existing Project)

Responsible for :

- Piping design model for the flow line existing.
- Prepare the modification and demolition for piping isometric drawing, piping GA drawing and special pipe supports drawing.
- Nozzle orientation of equipment.
- Prepare material take off

July– Dec 2011
(Piping Engineer)

CPOC - JKB Wellhead Platforms Project.

Responsible for :

- Piping design 3D model.
- Prepare the special pipe supports fabrication drawing.
- Prepare the piping isometric and hook up isometric drawing.
- Prepare piping GA drawing.
- To issue piping spool drawings to construction site.
- Nozzle orientation of equipment.
- Study structures model.

Mar –July 2011
(Piping Engineer)

Bongkot and Arthit Booster Compressor Phase 2 Platforms Project.

Responsible for :

- Pipe stress analysis by CAESAR II.
- Prepare the stress analysis report.
- Prepare the stress critical line list.
- Provide loading information to structural team.
- Review isometric drawing from piping design team.

Aug 2010– Mar 2011
(Piping Engineer)

YETAGUN-C Booster Compression Platforms Project (PCML)

Responsible for :

- Piping design 3D model.
- Prepare the special pipe supports fabrication drawing.
- Prepare the piping isometric and hook up isometric drawing.
- Prepare piping GA drawing.
- Nozzle orientation of equipment.
- Study structures model.

Sep 2008-Jul 2010

Pöyry Energy Ltd. (Bangkok, Thailand)



Piping Engineer

Projects:

Jan –Mar 2010
(PDMS Admin
& Piping Engineer)

Gulf GJP CCGT SPPs Project (Bidding project for 7 Power Plant)

Responsible for :

- Set up new project for program PDMS 3D model.
- Prepare and upload for new piping material specification into PDMS.
- Prepare and upload piping material model catalogue into PDMS.
- Prepare the bidding proposal.
- Piping material price estimate.
- Prepare piping route study.
- Prepare piping engineering design basis specification report.
- Prepare piping layout drawing for bidding information.
- Site survey for tie-in point for 7 Power Plant.

May 2009 – Jul 2010
(PDMS Admin &
Piping Engineer)

GLOW SO₂ Emission Reduction for CFB Boilers & Steam line 3 Km
Project (Rayong, Thailand)

Responsible for :

- Set up new project for program PDMS 3D model.
- Prepare and upload for new piping material specification into PDMS.
- Prepare and upload piping material model catalogue into PDMS.
- Site survey for tie-in point.
- Review isometrics drawing and piping GA drawing.
- Pipe stress analysis by CAESAR II.
- Prepare the stress analysis report.
- Prepare Material take off.

Jul – Sep 2009
(PDMS Admin &
Piping Engineer)

Heymo 50MW Biomasa Project

Responsible for :

- Set up new project for program PDMS 3D model.
- Prepare and upload for new piping material specification into PDMS.
- Prepare and upload piping material model catalogue into PDMS.
- Piping design 3D model.
- Review Isometrics drawing.

May – Jun 2009
(PDMS Admin &
Piping Engineer)

Solarlite 10 MW PP Project (Bidding project)

Responsible for :

- Set up new project for program PDMS 3D model.
- Prepare and upload for new piping material specification into PDMS.
- Prepare and upload piping material model catalogue into PDMS.
- Prepare the bidding proposal.
- Prepare piping route study.
- Equipment lay-out and Piping general arrangements.
- Calculation pipe size from process heat balance.
- Piping material price estimate.

Apr –May 2009
(PDMS Admin &
Piping Engineer)

YENTAGUN phase 4 development Platform Project (Flow line Existing Project)

Responsible for :

- Engineering coordination with client.
- Prepare the schedule of piping deliverables.
- Pipe stress analysis by CAESAR II.
- Prepare the stress analysis report.
- Review isometrics and piping GA drawing.
- Prepare Material take off.

Sep 2008 – Mar 2009
(PDMS Admin &
Piping Engineer)

ESPOO So2 Project (Finland) 240 MW

Responsible for :

- Piping design 3D model.
- Review Isometrics drawing.
- Prepare special pipe supports detail drawing.
- Prepare Material take off.

2006 –Sep 2008



Uhde Shedden Ltd. (Rayong, Thailand)

Graduate Piping Engineer

Projects:

Feb – May 2008
(PDMS Admin)

Songkhla Field Development Platform Project

Responsible for :

- Set up new project for program PDMS 3D model.
- Prepare and upload for new piping material specification into PDMS.
- Prepare and upload piping material model catalogue into PDMS.

Nov 2007 – Jan 2008
(PDMS Admin)

TRU energy Project (*Work at Melbourne Office , Australia*)

Responsible for :

- Set up new project for program PDMS 3D model.
- Prepare and upload for new piping material specification into PDMS.
- Prepare and upload piping material model catalogue into PDMS.

Nov 2007 – Feb 2008
(PDMS Admin)

ABM Adimmune Flue Facility Project

Responsible for :

- Set up new project for program PDMS 3D model.
- Prepare and upload for new piping material specification into PDMS.
- Prepare and upload piping material model catalogue into PDMS.

Sep – Nov 2007
(PDMS Admin)

The Thai Ethanolamines Project

Responsible for :

- Set up new project for program PDMS 3D model.
- Prepare and upload for new piping material specification into PDMS.
- Prepare and upload piping material model catalogue into PDMS.
- Prepare valve data sheet.

Jun – Aug 2007
(Piping Engineer)

SPRC Jet Merox Unit Project

Responsible for :

- Piping design 3D model.
- Prepare the special pipe supports fabrication drawing.
- Prepare the piping isometric and pipe GA. drawing.
- Prepare and upload for new piping material specification into PDMS.
- Prepare and upload piping material model catalogue into PDMS.

Mar – May 2007
(Piping Engineer)

TOL Methyl Ester/Fatty Alcohol Plant Project

Responsible for :

- Piping design 3D model.
- Prepare the special pipe supports fabrication drawing.
- Prepare the piping isometric and pipe GA. drawing.

2006 – Feb 2007
(Piping Engineer)

Quinten Project (PURAC THAILAND CO.,LTD)

Responsible for :

- Piping design 3D model.
- Prepare the special pipe supports fabrication drawing.
- Prepare the piping isometric and pipe GA. drawing.

2005 – 2006

Uni-Aire Co.,Ltd (Bangplee, Thailand)



R&D Engineer

Job Detail ;

- Research and develop Air packaged (Air invertor and Air double skins).
- Design and calculation Air handing unit, Air chiller unit and Air packaged system.
- Filed support for installation at site.
- Take of bill material.
- Test product performance of Air condition in Test room lap.

References

Mr. Sathit Suwanchana

Senior Manager

THAI NIPPON STEEL & SUMIKIN ENGINEERING
& CONSTRUCTION CORP., LTD.

