**NATTHAWADI LIMSAGUAN**

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# EDUCATION:

**2008 – 2012 Bachelor of Engineering (Chemical Engineering)**

 *Chulalongkorn University, Bangkok, Thailand*

 *(First Class Honors)*

**20016 – Present Master of Science (Sustainable Energy Systems)**

 *University of Edinburgh, Edinburgh, United Kingdom*

 *(Merit, By 2016/2017 Chevening Scholarship)*

**Dissertation**: Evaluation of a low carbon heating system for Galashiels Borders College

**PROFESSIONAL EXPERIENCE:**

**JAN 2015 – Aug 2016 PTT Exploration and Production Public Limited Company**

*Offshore Modification and Construction*

*Process engineer*

* Responsible for all process systems on the topside facilities of Wellhead Platform of Construction Project.
* Participated and fulfilled the technical requirements of the process engineering parts along with the tendering process based on project strategy.
* Led the engineering team to complete the process tasks during the conceptual, designed basis.
* Verified the interfaces with the process, gas pipeline, safety, machinery, instrument, equipment on topside Facilities, and etc.

**JAN – DEC 2014 PTT Exploration and Production Public Limited Company**

*Wellhead Platform Construction*

*Process engineer*

• Responsible for process design for green field project including Minimum Facilities Platform project (MFP) and Arthit Gathering Platform (AGP)

• Participating in tendering process for detail engineering phase of Arthit Gathering Platform (AGP)

• Led contractor engineering team to complete all tasks in Basic engineering phase gaining high cost reduction and ahead of schedule

• Negotiated to reach the best possible solution between various parties

• Demonstrated innovative skill by integrating redundant equipment leading to cost optimization while maintained safety and process reliability

**MAY 2012 – DEC 2013 PTT Exploration and Production Public Limited Company**

*Accelerated Development Program (ADP)*

*Process engineer*

*•* Perform SIL classification for The Greater Bongkot South wellhead platform

• Created PI process book to support operation control and monitoring from remote location

• Generated Wellhead platform fabrication sequence for department roadshow and educating engineers in different work functions.

• Tested and commissioned crane and rotating equipment to ensure the performance acceptance

**MAR 2011– MAY 2011** **PTT Exploration and Production Public Limited Company**

*Safety engineer internship*

• Assessed the significant hazardous loss of hydrocarbon containment scenarios which warrant gas detector deployment in a wellhead platform.

• Assisted safety audit team to perform Operational Technical Review (OTR) at Sirikit oilfield (S1)

# TRAININGS:

2015 Introduction to Dynamic HYSYS

2015 Flow Assurance Training

2015 Process Safety Engineering

2015 Power of Perception

2015 Maximizing Communication skill

2014 Oil Production & Processing Facilities

2012 Basic Exploration, Petroleum Geology and Field Development

# LEADERSHIP AND NETWORKING:

# 2016 Chevening Connect

# 2016 Thai Society in Edinburgh

# 2015 PTTEP Tennis club member

# 2014 PTTEP representative in 8th International Petroleum Technology Conference (IPTC) at Kuala Lumpur

# 2014 Lead process engineer in Minimum Facilities Platform project (MFP)

2009 Head group of “Vissanukammabud 7” camp (Head & Line man)

# AWARDS:

2016 Chevening Scholarship for 2016/2017 (UK Government Scholarship)

2015 SPE Thailand E&P Awards 2014 : Minimum facilities platform for sub-commercial reservoirs in Gulf of Thailand

2009 Certificate for outstanding academic achievement during the year of 2009

2007 Certificate of merit from Australian National Chemistry Quiz, high distinction, Royal Australian Chemical Institute.

2007 Honorable Chulalongkorn’s Crown Award for the achievement of excellence through the 6 years education 2001-2006

2005 Certificate – Excellent result (GPA 4.00)

# PRESENTATION:

2015 PTTEP Technical forum: How to Measure Flow without a Flowmeter? : Changing How We Approach Challenges

2015 PTTEP Technical forum: A new generation of well testing and well monitoring for offshore wellhead platform

2014 SPE Young Professional Technical Presentation Contest: Minimum facilities platform for sub-commercial reservoirs in Gulf of Thailand

2013 PTTEP Technical forum: Improvement of Typical Beam Pump Installation

# EXTRA CURRICULAR ACTIVITIES:

2013 CSR activities volunteer: clean up oil spill at Samet beach, Rayong Thailand

2010 Summer course (General English) at Cambridge International College (CIC) in Perth, Australia

2009 Staff line of “Chula-Thammasat Traditional Football Match 66”

2008 Staff of “Larngear” camp (Line man & take care the freshmen)

**COMPUTER SKILLS:**  Microsoft office, email and internet applications, Microsoft Visio, MATLAB, Java, Aspen, HYSYS, PHAST software, TRNSYS, RETscreen

**LANGUAGE SKILLS:** Thai, English