

Ms. Warangkana Kaewchai

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PERSONAL INFORMATION

Date of Birth: 11 Jan 1990
Nationality: Thai
Religion: Buddhist

Age: 29 years
Gender: Female
Marital Status: Single

EDUCATION

2013 - 2015

King Monkut's University of Technology Thonburi
Master of Mechanical Engineering
GPA: 3.50

2009 - 2012

King Monkut's University of Technology Thonburi
Bachelor of Mechanical Engineering
GPA: 2.88

2003 - 2008

Khonkaenwittayayon School
High school of Science - Mathematic

WORK EXPERIENCE

January 2018 - Presently

Mechanical engineer at TTCL Public Company Limited

- ◆ Produce HRSG package or basic engineering design for power plant, negotiation with vendors, issue technical documents and verify equipment specification.
- ◆ Checking with standard code or owner requirement and cooperate with the other departments and solving a problem together with a foreigner vendor.
- ◆ Planning, controlling of equipment activities during engineering stage in order to made high quality work.
- ◆ This duty required a lot of communication skill, document handling skill, an ability to prioritize work schedule efficiently, and a strong teamwork skill.

August 2016 - January 2018

Mechanical engineer at Mitrphol Bio-Power Co., Ltd.

- ◆ Heat and mass balance calculations of power plant.
- ◆ Supporting to power plant such as reduce moisture in fuel of biomass power plant and others technical.
- ◆ Project improvement to power plant process for increasing efficiency.
- ◆ Clarification of boiler and turbine with suppliers that about specifications and scope of work for technical evaluation.
- ◆ Searching for innovation technology to solve problem in power plant and also finding ways to create value from recovered waste heat.
- ◆ Steam generation from solar energy project for reducing fuel consumption and applications.

August 2013 - June 2015

Research assistant at Institute for Scientific and Technological Research and Services (ISTRS), KMUTT

Project: Refrigeration system measurement training and consulting for energy conservation project, B. Foods Product International Co., Ltd and Boiler system efficiency improvement in palm oil extraction and paper pulp factory project supported by energy conservation fund, Department of Industrial Works and Ministry of Industry.

- ◆ Inspected steam trap and steam piping insulation for heat loss calculation.
- ◆ Suggested about improvement of energy saving and provided training about steam and refrigeration system.

WORK EXPERIENCE

August 2013 - December 2014

Teaching assistance at Department of Mechanical Engineering, KMUTT

- ♦ Tutor of Solidworks tutorials to undergraduate students taking Computer-Aided Drawing course.
- ♦ Tutor of thermodynamics course.

April 2012 - May 2012

Trainee at PTT Public Company Limited, Rayong, Thailand

- ♦ Reviewed piping and instrumentation diagram (P&ID).
- ♦ Prepared data of equipment in each project.

RESEARCH

Published a manuscript of paper

- ♦ 9th South East Asian Technical University Consortium Symposium, (SEATUC), 27-30 July 2015, Suranaree University of Technology, Nakhon Ratchasima "A development of Cryogenic Auto-Cascade Refrigeration System".
- ♦ 4th Hong Kong International Conference on Engineering and Applied Sciences (HKICEAS), 16-18 December 2015, The Eaton Hotel, Hong Kong "An experimental study of Auto-Cascade Refrigeration with mixed R290/ R50".

SKILLS & ABILITIES

Computer Programming:

Microsoft Office, SolidWorks, Ansys and 3E Plus.

Languages:

Native speaker in Thai and TOEIC score (Later) in English.

Associate Mechanical Engineer of Thailand:

License No. 405XX.

Personality:

Open to new things and willing to learn, hard-working and team-working.

AWARDS & CERTIFICATES

- Mitr Phol Best Innovation Awards for New Business Excellence type.
- Trained for electrostatic precipitator (ESP) by Tai & Chyun Associates Industries, Inc.
- Trained for the occupational safety, health and environment by Shield Five Organize & Development Co., Ltd.

REFERENCES

Asst.Prof.Dr. Atikorn Wongsatanawarid

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