

# Mr. NIROJ TUNTRAKOOL

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## Objective

I would like to use my skills, experiences and also my common sense in engineering for solving the immediate problem. My interest job position is an Engineer which is the challenging position that relates with oil and gas field.

## Education

- 2012-2014 : Master of Chemical Engineering from King Mongkut's University of Technology Thonburi, Bangkok, Thailand. Chemical Engineering Practice School, Faculty of Engineering (ChEPS) GPA 3.75
- 2008-2012 : Bachelor of Chemical Engineering from King Mongkut's University of Technology Thonburi, Bangkok, Thailand GPA 3.59

## Work Experience

- 2014-2018: Utilities Operation Engineer at Rayong Olefins Co., Ltd. (SCG Chemical).
  - Responsible Area: Wastewater Unit, Boiler Unit, Raw Water Treatment Unit, Demineralization Unit and Steam system.
  - Assignment to manage Flare system, Waste Water and Steam system for Rayong Olefins Turnaround in 2016.

### Project

- Project assigned to reduce chemical consumption in WWT (saving 0.2 MB/yr).
- Increase the WWT efficiency by adjusting operating conditions (Kaizen award).
- Steam saving by reducing pressure Flash drum of Steam blowdown (saving 1 MB/yr).
- Electricity reduction by installing Air diffuser in WWT (saving 1.7 MB/yr).
- Increase COC of Boiler (saving 3.2 MB/year)
- Maximize Heat Recovery in BFW Preheater (saving 5 MB/year)
- 2018-2019: Olefins Operation Engineer at Rayong Olefins Co., Ltd. (SCG Chemical).

### Project

- Project assigned (Project management phase) to increase plant capacity by revamping Furnace.
- Responsibility to create Furnace Monitoring System as a lead indicator to prevent major problems.
- 2020-Present: Olefins Operation Section Manager at Rayong Olefins Co., Ltd. (SCG Chemical).

## Extra Curriculum / Activities

- 2017 : Basic Essential Skill for Engineer.
- 2015 : International Water Technology Conference at Nalco Headquarter, IL, USA for 1 week.
- 2014 : Master Degree thesis in the topic of Study of the appropriate carbon captures technology for clean coal power plant.
  - Develop an Aspen model of 3 different technologies.
- 2013 : Internship program at Thai Oil Public Limited for 5 months.
  - Training of Technologist.
  - Assigned to develop the eco efficiency monitoring and measurement tool of TOC-1.
  - Assigned to investigate the exact propane usage of Propane chiller unit.

## Honors/Awards

- 2015 : Kaizen project award from improving Waste Water Treatment control system.
- 2012 : First Class Honors of Chemical Engineering.
- 2008-2011: Engineer Scholarship.

## Skills

Language	English (Good)
TOEIC score	715 (Listening 365, Reading 350)
Simulation Program	Process Simulation by using AspenPlus