

SUPHAKIT THATSAWONG



Years of experience
6 years

Education
B.Eng (Civil Engineering-Irrigation) Kasetsart University
M.Eng (Structural Engineering) Asian Institute of Technology

Professional affiliations
Associate Engineer license
Council of Engineers Thailand

Language skills
Thai, English

Nationality
Thai

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Age / Date of Birth
31 years / 29 December 1989

As a structural engineer with over 6 years of successful experience in the analysis and design of reinforced concrete structures, steel structures for building, road, and underground structures. Which have an understanding in the structural standard codes for fundamental analysis and design such as AIC and BS codes, and have familiarity with basic engineering programs such as SAP2000, ETABS, SAFE, AutoCAD, and Revit — recognized consistently for performance excellence and contributions to success in the structural engineering industry. Strengths in analysis and design of structures backed by training in structural engineering.

Professional history

2021- Present

AECOM (Thailand) Limited

Structural Project Engineer

Project : Laem Chabang port terminal D project
Location :Thailand

The detail of work consists of structural design and civil design that include quay office building, substation, gate house, and drainage system for yard and buildings.

2018-2020

AECOM (Thailand) Limited

Structural Engineer

Project : Tender Design for MRT Orange line west project and MRT Purple line south project
Location :Thailand

MRT Orange line west project and MRT Purple line south project located in Bangkok, which these projects proposed to solve the traffic problems in Bangkok Thailand. This MRT has two-part that include underground and elevated parts. The purpose of the project is for the preliminary design of the underground part, which will use for the ultimate cost of the project for bid. The design works are consists of the 2D structural analysis by using the FEM program to model to analyze the result such as bending moment and shear force of diaphragm wall, roof slab, and base slab for preliminary design.

Project : Detail Design for MRT Orange line east project

Location :Thailand

MRT Orange line east project located in Bangkok, which proposed to solve the traffic problems in Bangkok Thailand. This MRT will have two-part that include underground and elevated parts. The purpose of the project is to design the underground structures for the detail design that will use for the construction state. The design works are consists of the 2D and 3D structural analysis by using the FEM program to use the result such as bending moment, axial force, and shear force of structures member for design. The example of design work included;

- Ø Entrance Skeleton structures; Waler, Strut, and Flat Slab.
- Ø Station and Entrance Internal Structures; Infill slab, bearing wall, Column, Beam, Staircase.
- Ø Steel Design; Steel canopy, Steel Roof, etc.

2017-2018

**Resolution Engineering Company Limited, Thailand
Structural Engineer**

The detail of work consists of structural assessment, static load testing, load-carrying capacity analysis with the FEM model, structural health monitoring, structural vibration measurement for building in Thailand.

2014-2015

**Don Muang Tollway Public Company Limited, Thailand
Civil Engineer**

The details of work consist of construction management for Tollway and Toll plaza, structural design, and BOQ for the Tollway renovation project of the expressway from Dindang-Rangsit Bangkok Thailand.

2013-2014

**TEAM Consulting Engineering and Management Public Company Limited,
Thailand
Highway Engineer**

Project : Motorway No.7 Extension

Location :Thailand

The Motorway No.7 is the expressway from Bangkok to Eastern Economic Corridor (EEC) Thailand, which proposed to construct for the extension part that is the Chonburi-Pattaya part. The design works are consists of the detail design of the Highway system that include the road pavement, toll plaza, rest area, and drainage system.

2012-2013

**Thai Obayashi Corp. Ltd, Thailand
Civil Engineer**

Project : Canon Hi-Tech Renovation Project

Location :Thailand

Canon Hi-Tech is the printer manufacturing company located in Ayutthaya, Thailand. Due to the extensive flood in 2012, the company machine destroyed by flooding. To renovate and prevent overflow in the future, the company has a project that includes moving the electrical equipment to a level higher than the flood level in 2012, about 1.5

meters. The double slab and platform slab constructed to install the electrical equipment. The detail works are consist of monitored project progress, ensuring conformance to design specifications and safety standards.