

Sompote Youwai

Assistant Professor at King Mongkut's University of Technology Thonburi

[Phra Pradaeng, Samut Prakan, Thailand](#)

[Higher Education](#)

[Previous](#)

1. [Metropolitan Engineering Consultant](#)

[Education](#)

1. [Asian Institute of Technology](#)

Background

Experience



[Assistant Professor](#)

[King Mongkut's University of Technology Thonburi](#)

January 2003 – Present (13 years 10 months)

Research and teach

- soil mechanics
- foundation engineering
- subsurface investigation
- ground improvement technique
- Analytical and numerical method in geotechnical engineering

(Open)1 project

[Structural Engineer](#)

[Metropolitan Engineering Consultant](#)

1996 – 1997 (1 year)

- Structural engineer design of steel structure
- Design of cement factory

Education



Asian Institute of Technology

Doctor of Philosophy (Ph.D.), Soil Engineering

1999 – 2013



Asian Institute of Technology

Master's Degree, Soil Engineering

1997 – 1999



Chulalongkorn University

Bachelor's Degree, Civil Engineering

1992 – 1996

Suankularb Wittayalai School

1992

Projects

Dual track railway design : Map Ka Boa to Nakornratchasima

2012

Embankment and rail system design.

- Slope stability analysis
- Ballast and sub ballast design
- Sub surface investigation

Bridge approach structure remedial measure design of Motorway

2015

Using EPS as light weight material.

- Detail design
- Supervision
- geotechnical instrument monitoring

Feasibility study of Michelin Factory

2012

- Project manager and geotechnical engineer.
- Site investigation
- Preliminary environmental impact assessment

Subsurface investigation for foundation design more than 50 projects

2015

- Highway
- Golf Course
- High rise building
- Factory

Remedial measures for slope failure of Highway No. 32628

2004

- Forensic engineering
- Slope stability analysis by using limit equilibrium method
- Design of Gabion for slope protection

Design of reservoir for Ban Layan Resort Phuket

2004

- Slope stability analysis by using limit equilibrium method
- Flow analysis by using finite element method
- Design of jet grouting for improve stability and reduction of flow
- Supervision for permeability test of rock in field

Subsurface investigation and design for reservoir of City Golf Course, Ayudthaya

2004

- Slope stability analysis by using limit equilibrium method
- Design of jet grouting in sand layer

Feasibility study and preliminary design of overpass for Ratchadapisek Road and connecting road between Sarasin Road and Ratchadapisek

2004

- Subsurface investigation
- Feasibility study
- Design of cement column slope protection of canal
- Design of pile foundation for the elevated express way

Subsurface investigation and design of port for Khong River Nakhon Phanom

2005

- Slope stability analysis by using limit equilibrium method
- Design of pavement system
- Design gabion system for preventing an erosion

Subsurface investigation and design of port for Kohlan Pattaya

2005

- Supervision of subsurface investigation under sea water
- Detail design

Investigation of the failure of reinforced wall for Yom River

2005

- Subsurface investigation
- Forensic Engineering
- Laboratory testing supervision

Subsurface investigation and foundation design of the center of sport organization, Sport Authority of Thailand

2007

- Subsurface investigation
- Pile Design
- Mat foundation design

Analysis of failure of retaining wall in Phuket

2009

- Subsurface investigation
- Slope stability analysis by using limit equilibrium method

Detail design for improvement of Kallaprapreuk Road, Department of rural road

2010

- Pavement inspection
- Pavement design for over lay
- Subsurface investigation
- Design for remedial measure for bridge approach structure
- Slope stability analysis by using limit equilibrium method for road embankment

Design of Foolsal stadium

2011

- Subsurface investigation
- Pile and footing design

Remedial measure of water treatment pond

2011

- Slope stability analysis
- Design the improvement of the stability by using pile and geosynthetics

Levee Design for Ticon Real estate

2012

- Sub surface investigation
- Detail Design

Feasibility study and detail design of Pasak River bank protection

2015

- 20 km of river bank protection
- Feasibility study
- Detail design of river bank protection
- Design and provide specification of soil cement column

Investigation the damage of pavement structure of Suvarnabumi Airport

2010

- Geotechnical Engineer
- Subsurface investigation and instrument in airfield

- Forensic Engineer
- Conceptual design for remedial measure

Development of falling weight reflectometer for pavement structure inspection

2012

- Project manager
- Department of rural road
- research and development project

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