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KANLAYAPAT WITONCHARTREE

EDUCATION

2005-2007

**KING MONGKUT'S UNIVERSITY OF TECHNOLOGY THONBURI
THAILAND**

MASTER'S DEGREE OF ENVIRONMENTAL ENGINEERING

Research was studied about "Influence of Heavy Metals from Solidification in Low Concentration on Cement Properties and Leaching Analysis".

2001-2005

**KING MONGKUT'S UNIVERSITY OF TECHNOLOGY THONBURI
THAILAND**

BACHELOR'S DEGREE OF ENVIRONMENTAL ENGINEERING

Project was studied about "Synthesis Titanium Dioxide on Stainless Steel by Sol-Gel".

COUNTRIES OF WORK EXPERIENCE

Thailand, Cambodia, Laos, Myanmar and Vietnam

PROFILE SUMMARY

With 12 years of experience in Infrastructure and Utility Consulting, Engineering and Project Management for various industries and sectors such as Buildings (commercial, residential and real estate development), commercial mixed use and industrial estate development. The systems include Water Supply System (Water Treatment Plant and Distribution Pipeline System), Wastewater System (Wastewater Treatment Plant and Collection Pipeline System), Solid Waste Management, Stormwater System and Plumbing (Sanitation and Fire Protection System).

Experiences cover throughout project life cycle from Feasibility Study, Master Planning and Conceptual Design, Detailed Design, Cost Estimation, Bidding Process for both public and private projects in Thailand and CLMV.

Carry out engineering design in accordance with local codes and relevant international design codes; furthermore, responsible for analysis of information, production of design, tenders, proposals and technical report writing.

To work with the Senior Engineers to develop building services designs and calculations; besides, Assist in coordination of quality assurance and commissioning of designs with other disciplines and other design consultants.

**SKILLS &
ABILITIES**

Thai Associate Environmental Engineer (License ID. 3292)
Thai Water Pollution Supervisor's license of Department of Industrial Works
Experience with local and international codes/standards such as ASPE, NFPA, BS, EIT standards, water and wastewater quality standards

**PROFESSIONAL
EXPERIENCE**

INFRASTRUCTURE AND UTILITY ENGINEER,

TEAM Consulting Engineering and Management PCI.

2016 - PRESENT

Feasibility Study, Conceptual Design and Detailed Design of Wastewater Treatment Plant and Water Treatment Plant, Water Distribution system, Wastewater Collection system and Stormwater management Development (Smart and Green), Mixed-Used Development, residential, commercial, and industrial buildings in Thailand and CLMV countries

Highlight Projects

- Turnkey of Treated Wastewater Recycling Project in Suan Luang-Sam Yan area, Bangkok, Thailand
- Preliminary study of drainage systems and management of waste water systems in Khao Khiao Village of L&H Property Co., Ltd., Si Racha1 District, Chonburi Province, Thailand

- Assessment and development plan for utilities investment projects in EEC Phase 2, EEC Provinces, Thailand
- Pre-feasibility Study for 2,000 Acres AMATA Smart & Eco City, Yangon, Myanmar
- Detailed design of PTT Bakery and Warehouse, Phra Nakhon Si Ayutthaya Province, Thailand
- Feasibility Study of Master Planning on Smart City (Mixed use Development), Chachoengsao Province, Thailand
- Detailed Design of Infrastructures for Laem Chabang Port Phase 3, Chonburi Province, Thailand
- Pre-Feasibility Study for Myawaddy Township Water Supply Project in Myanmar
- Detailed Design of Infrastructures for Amrapura Urban Development Project in Myanmar
- Detailed Design of Utilities along Main Road of Chroy Changva Satellite City, Cambodia
- Detailed design of Master Plan and Conceptual of Main Infrastructure of Suvannaphum Special Economic Zone, Cambodia
- Feasibility Study of Sewerage System in Area 7 (NS1) at Thu Duc District in Ho Chi Minh City, Vietnam
- Feasibility Study for Solid Waste Management Boun Neua New Town, Lao PDR

**SENIOR SANITATION AND FIRE PROTECTION ENGINEER,
(DEPUTY MANAGER),
ACCO CONSULTING ENGINEERS COMPANY LIMITED.**

2015 - 2015

Design and provide of engineering drawings, specifications and quantity take off include

Sanitary Plumbing system (Cold Water and Hot Water Supply system, Sewage and Storm Drainage system, Wastewater Treatment system, and Water system for Landscaping Features)

Fire Protection system (Water Sprinkler system, Water Storage and Fire Pumps, Hose and Hydrant systems, Portable Extinguishers)

Highlight Projects

- Detailed design of **Wynn Thani Condo**, Pathum Thani Province, Thailand
- Detailed design of **TRUE Branches**, Thailand
- Detailed design of **The Pizza Company Branches**, Thailand
- Detailed design of **Swensens Branches**, Thailand

SANITATION AND FIRE PROTECTION ENGINEER, ARUN CHAISERI CONSULTING ENGINEERS COMPANY LIMITED.

2013 - 2014

Design of Sanitary Plumbing system (Cold Water and Hot Water Supply system, Sewage and Storm Drainage system, Wastewater Treatment system, and Water system for Landscaping Features)

Design of Fire Protection system (Water Sprinkler system, Water Storage and Fire Pumps, Hose and Hydrant systems, Portable Extinguishers)

Highlight Projects

- Detailed design of **Yangon Technological University**, Myanmar
- Detailed design of **Chiang Rai Hospital**, Chiang Rai Province, Thailand
- Detailed design of **Buriram International Circuit Grade 2 Track**, Buriram Province, Thailand
- Detailed design of **KBANK Head Office**, Nonthaburi Province, Thailand
- Detailed design of **Grand Postal Office**, Bangkok, Thailand
- Detailed design of **CAT Head Office**, Nonthaburi Province, Thailand
- Detailed design of **NTBF Factory**, Tobacco Authority of Thailand, Rojana Industrial Park, Phra Nakhon Si Ayutthaya Province, Thailand
- Detailed design of **GPV Asia Factory Relocation**, Samutprakarn Province, Thailand
- Detailed design of **Sparsha Slimming Center Branches**, Thailand
- Detailed design of **KFC, YUM Tricon Global Restaurants**, Thailand
- Detailed design of **NIST International School**, Bangkok, Thailand
- Detailed design of **TREETOPS Condominium Pattaya**, Chonburi Province, Thailand
- Detailed design of **PROM CONDO RATCHADA**, Bangkok, Thailand

**SANITATION AND FIRE PROTECTION ENGINEER,
M&E ENGINEERING 49 CO., LTD.**

2012 - 2013

Design of Sanitary Plumbing system (Cold Water and Hot Water Supply system, Sewage and Storm Drainage system, Wastewater Treatment system, and Water system for Landscaping Features)

Design of Fire Protection system (Water Sprinkler system, Water Storage and Fire Pumps, Hose and Hydrant systems, Portable Extinguishers)

Highlight Projects

- Detailed design of **The Nimmana Condominium**, Chiang Mai Province, Thailand
- Detailed design of **The Circle Sukhumvit Condominium**, Bangkok, Thailand

**SANITATION AND FIRE PROTECTION ENGINEER,
EEC ENGINEERING NETWORK CO., LTD.**

2007 - 2008

Design of Sanitary Plumbing system (Cold Water and Hot Water Supply system, Sewage and Storm Drainage system, Wastewater Treatment system, and Water system for Landscaping Features)

Design of Fire Protection system (Water Sprinkler system, Water Storage and Fire Pumps, Hose and Hydrant systems, Portable Extinguishers)

Highlight Projects

- Detailed design of **Laguna Phuket Resort**, Phuket Province, Thailand
- Detailed design of high rise office building, Bangkok, Thailand

**COMPUTER
OPERATING
SKILLS**

Computer Literate in

- EPANET Water Supply Network Analysis software,
- SWMM Wastewater and Storm Drainage Analysis software,
- Fire Sprinkler Hydraulic calculations by Elite software Development Incorporated,
- Auto Cad,
- Revit,
- Civil3d,
- Microsoft Office,
- Microsoft Project

LANGUAGE
PROFICIENCY

	Reading	Listening	Writing	Speaking
English	Good	Good	Good	Good
Thai	Excellent	Excellent	Excellent	Excellent

SPECIAL TRAINING

- **BUILDING INFORMATION MODELLING (BIM),**
BY TEAM CONSULTING ENGINEERING AND MANAGEMENT PCL.
 - **PORT PLANNING & DESIGN,**
BY TRANSPORTATION INSTITUTE CHULALONGKORN UNIVERSITY
 - **DESIGN OF SANITARY PLUMBING SYSTEMS FOR BUILDINGS,**
BY ENGINEERING INSTITUTE OF THAILAND
 - **DESIGN AND SELECTING PUMP FOR EFFICIENCY CAPACITY
AND MEET ECONOMIC VALUE,**
BY ENGINEERING INSTITUTE OF THAILAND
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