# Chatdanai Sangnarong

#### Education

Bachelor's degree in civil engineering ,KMITL, 2011-2015 GPA 2.88

### **Experience**

2015-2018

QC Engineer at Sino-thai Engineering and Construction

(Precast Casting Yard and Concrete Plant)

Project The Si Rat - Outer Ring Road Expressway, MRT Blue Line (Segment Casting)

> - Verify information and situation on-site when they are ready to place the concrete. Also, check and inspect the post-tension. After that repair concrete that is indelicate. Including the preparation of segments before delivery to the site is also my responsibilities.

Sewerage Tunnel - Bueng Nong Bon to Chaophraya River

The responsibilities are similar previous project but it has difference jobs such as

- Specialized test (Pullout, Bearing, Bending on Segment test) and concrete mix
- Design calculation and quality control

Desinged mix for early strength concrete (8-10 hr to stressing and demolds) Desinged mix and lab test for marine concrete (chrolide and sulphase resistance)

Trial mix concrete and lab test for approval

Material quality control

Bang Pa-In to Khorat Expressway Contract 1-2 & 18-19

- To inspect before casting bored pile.

2018-Present Project

Structural Engineer at CEDA Company Limited.

Bangkok Mall

- Preparation and Calculation for the drawing and report for submission (Arena Zone)

The Mall 2

- Manual calculation and design of the foundation

The Mall 2 Market

- Manual calculation and design all of the structures

The Mall 3

- Demolish and renovate new office zone for the mall group

(demolish lift core, closing void, strengthening slab and beam, steel stair outside building)

VOCO Sukhumvit 11 Hotel (2 building, 23th floor and 5 basement floor)

COSI Chiangmai Hotel (13th floor and 2 basement floor)

Project leader for the both site. The responsibilities are similar.

- Design overall of the main structure, earth retainning system for

basement construction (diaphragm wall and soil bracing)

seismic analysis and design of building (design of transfer beam RC combine with post tension)

and also preparation and calculation drawing for submission.

Siam Patumwan House (33rd floor and 3 basement floor including the parking building 12th floor)

- Design overall of parking zone such as earth retainning system (pile wall and bracing
- for third floor of underground) including seismic analysis and design of building, post tension slab
- Special jobs roll for this site are learning and finding a way to change and design column formwork to column slipform from old patterns.
- Recheck and approve formwork before placing concrete also check calculation report of the tower crane and tie-in crane.
- Recheck and revise foundation for pile deviation
- Design steel structure for BTS Link and shoring system on post tension slab

### MSK Bangkok Center

- Assistance and coordination to support data of design.

(earth retainning system and post tension slab)

## **KEOMIXAY Convention Hall (Laos)**

- Design overall of structure (2nd Floor Convention Hall, Max span 42 m.)
- , design prefabricated Steel (PEB Frame)

Skill

Optimize the member sizing compare with construction cost

Good basic for structure analysis

Reinforce concrete design

Steel design

Prestress and poststress concrete design

Earth retainning system design Develope excel sheet for design

Concrete mix design

**Software** 

Etabs, SAP, SAFE, Tekla Structure Designer (TSD), SP Column

Plaxis 2D, ADAPT, Profis Engineering (HILTI), Microsoft office, Auto Cad

