

E O C O Engineering

Company Profile

E O C O in Thailand

- Active from 2017
- Focusing on Focusing on Design & Construction Service
- Chemicals, Food and Beverages, Pharmaceuticals
- Sport Extreme ,Ware house & Residential
- Local lead engineers (Professional Engineers) and project managers in Thailand

- Registered capital 1 MB.



Services of EOCO



Consultancy

> Create an accurate, dynamic and intelligent 3D model

> Benefit from interoperability between different software applications

> Generate up-to-date documentation and coordinate design changes reliably

> Deliver an as-built model to other project disciplines

Design and Engineering



Procurement Support



Project Management

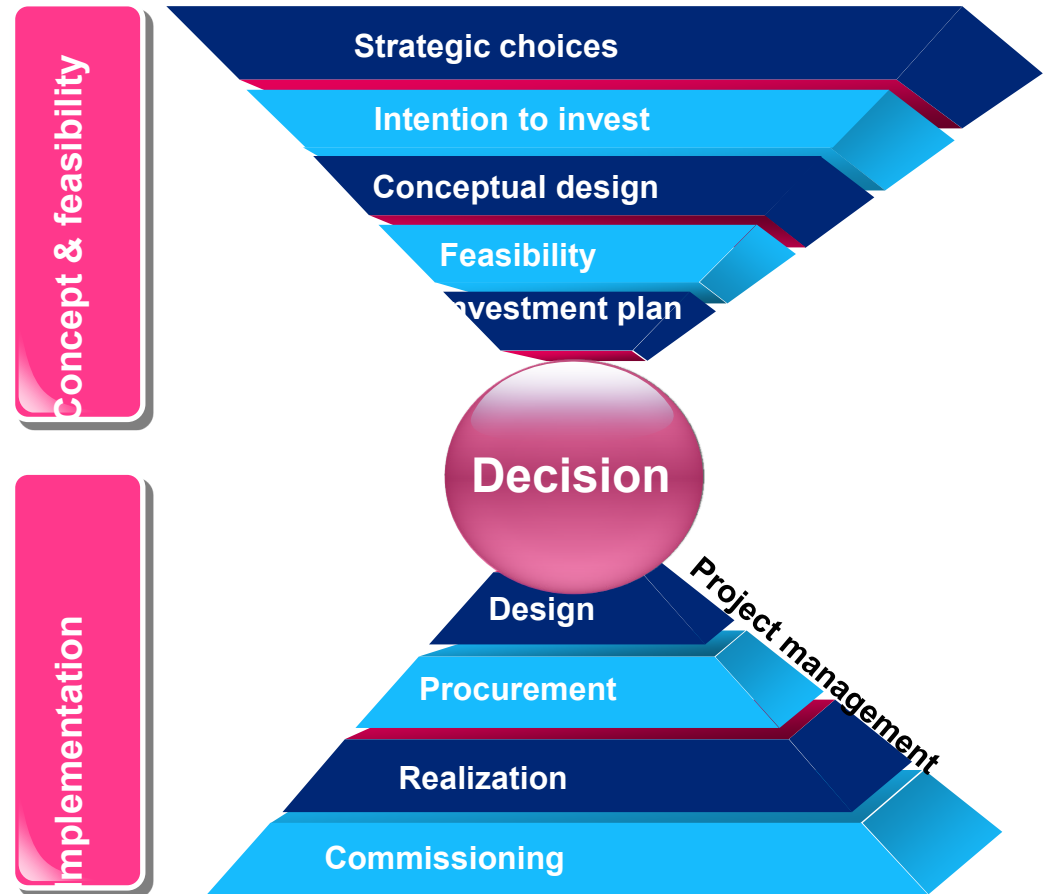


Construction Management

OUR SERVICES

Services of EOCO

- Consultancy
- Site Selection
- Design and Permitting Support
- Construction Management
- Project Management
- Procurement Support
- Commissioning Assistance



Multidiscipline Engineering and Construction Management



General Engineering

- (Front end engineering design (FEED))
- Conceptual design
- Basic design
- Extended basic design
- Detail-design
- Procurement service

Project-Management

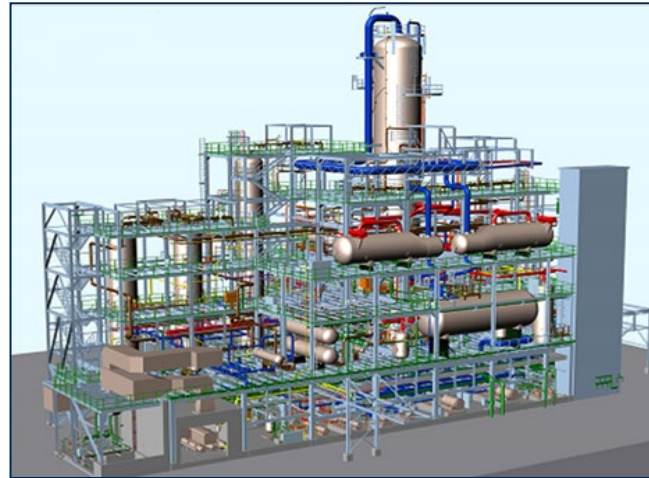
- Project Management
- Scheduling / Cost Controlling
- Quality- and Safety-Management (HSE)

Construction Service (all disciplines)

- Construction management
- Construction supervision
- Procurement Support
- Installation coordination
- Start-up and commissioning
- Check-up vendor documents
- As-built project documentation

Process Technology

- PFD and P&ID
- Equipment Arrangement
- Support Risk-Management
- Media and Chemicals Lists
- Equipment and Instrument Data Sheets



Process Equipment

- Dimensioning / calculations / optimizing
- Qualification (GMP-units)
- Specifications and tender documents
- Review / approval vendor documents

Piping and Steel Construction

- General design (Pipeclasses/calculation)
- Piping design: Routing / space management / MTO / isometrics
- Fittings, Safety Equipments
- Pipe support design
- Master drawings steel structure
- Structural Calculations
- Workshop drawings

Authority Engineering

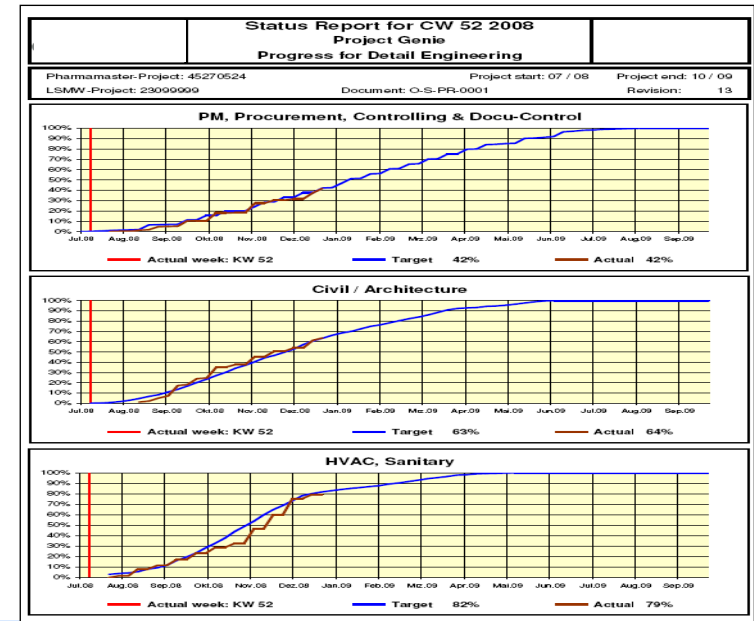
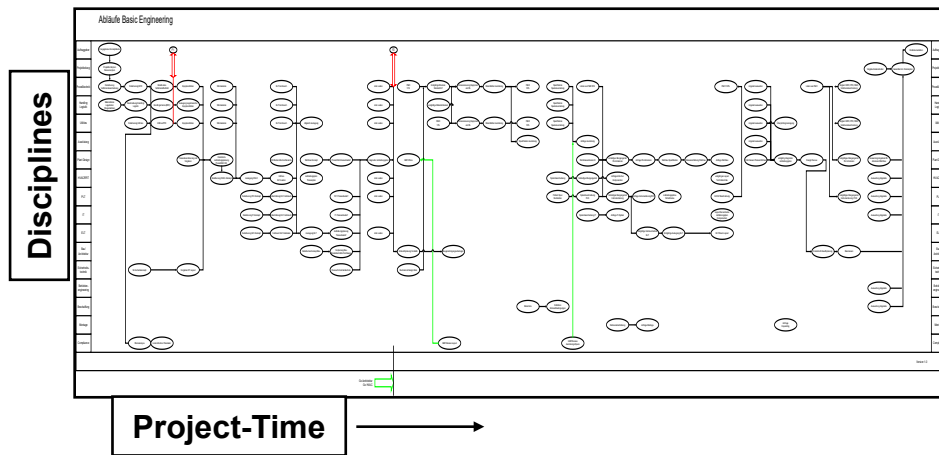
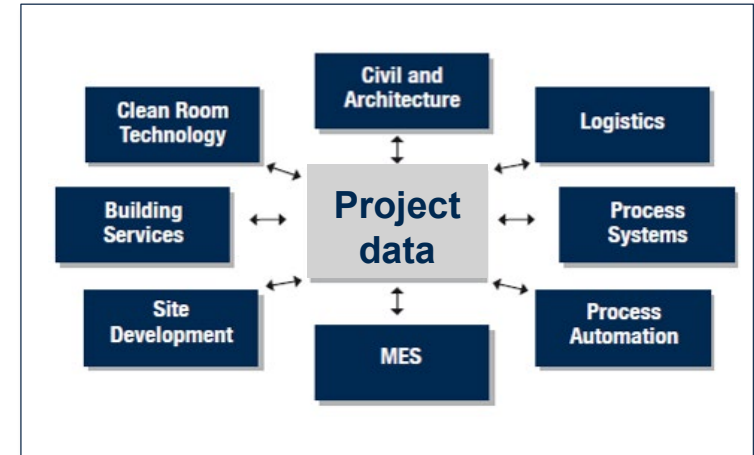
- Permitting Support
- Consulting for environmental, safety, bio safety and waste management

Process Automation

- Concept development
- URS (user-requirement-specifications)
- Technical specifications for instruments
- PLC, PCS, MES and ERP-Systems

Project Management

- Scope, time, cost, and quality management
- Risk management
- Procurement Support
- Project management
 - Project-flow model (PFM)
 - Progress reporting



Construction Management Capabilities

Pre-construction Services

- Estimating
- Scheduling
- Procurement Support
- Site Specific Safety Plan

Construction Operations

- Site Safety Management
- Schedule management
- Quality Control Management
- Field Supervision and Trade Management
- Document Control
- Start-up and Commissioning

In-house Construction Management Team

- Construction manager
- Quantity Surveyors (QS)
- EHS officers & coordinators
- Construction supervisors
- QC inspector

CONSTRUCTION MANAGEMENT

Scope of Services



Consultancy

- Asset Management & Maintenance
- Environment
- Energy
- Safety & Risk management
- Permitting
- Feasibility
- Validation Service
- GMP/EU GMP/FDA compliance consulting



Project Management

- Management of EPCm services
- Estimating and Cost Control
- Scheduling and Progress Control
- Quality and Safety Assurance
- Commissioning Management and Assistance
- Program Management



Design & Engineering

Conceptual, Basic and Detailed Design

- Discipline Engineering:
- Civil, structural and Architectural
 - Building services
 - Piping & Infrastructure
 - Electrical
 - Instrumentation & Process Control
 - Energy
 - Logistics
 - Mechanical
 - Process



Procurement

- Project Purchasing
- Tenders
- (Non) Production related purchasing
- Performance Based Maintenance / Tendering
- Contract Management



Construction Management

- Quality, Health, Safety and Environment (QHSE) Management
- Site Management
- Construction Supervision
- Planning, Cost and Progress Control
- Commissioning

Project Tools

PROJECT MANAGEMENT TOOLS

Stage	Serial	Topics	Document number	TVN Control Tools	Remarks
Project management	M01	Planning	7144000	Project Plan	
			7145000	Quality plan	
			7144001	Coordination Procedure	
			7144002	Construction plan	
			7152000	Project Master Schedule	
			7150000	Project Action List	
			7176000	Project Progress	
			7123000	Client's Project Requirements Input information (Back A)	
			7120000	Meeting Planning	
			7120000	Minutes of Meeting	
M02	Meeting and report	7141001	Document list		
		7137000	Annually Report to Client		
		7157001	Progress Source report to Client		
M03	Cost Estimate	7126001	Update schedule To Client		
		7421000	Estimation Estimate 25% accuracy		
		7423000	Budget Estimate 25% accuracy		
		7423000	Project Estimate 10% accuracy		
M04	Project Cost Control	7420000	Summary of DCH		
		7420001	Design Change Notice		
		7420002	Provisional cost estimate for design change		
		7420003	Statement of costs for design change		
		7420001	Budget control report		
		7420002	Payment control report		

Name

- 📁 P01 Procurement Plan
- 📁 P02 Bidder List Selection
- 📁 P03 Quotation Request
- 📁 P04 Bid Comparison, Evaluation and Rec...
- 📁 P05 Purchase Order and Contract
- 📁 P06 Financial Control
- 📁 P07 Expediting and Inspection
- 📁 P08 Vendor performance evaluation
- 📄 Index Procurement Management

Date modified

Name

- 📄 6241001 General Conditions of Contract (GC-1)
- 📄 6241002 General Conditions for Purchase (GC-2)
- 📄 6241003 General Condition for Site Service (GC-3)
- 📄 6241004 General Condition for purchase of Software (GC-4)
- 📄 6241005 General Condition for Service (GC-5)
- 📄 6242001 Commercial contract conditions
- 📄 6250001 Letter of regret
- 📄 6260000 Checklist Contract Review
- 📄 6260001 EPCm Service Agreement (Client - TVN)
- 📄 6260002 Construction_Contract_Template (Client - Contractor)
- 📄 6260003 Contract template (Client - Contractor) (Short)
- 📄 6260004 Purchase Order
- 📄 6261001 Letter of intent - Copy
- 📄 6261001 Letter of intent
- 📄 6262001 - Change Order Request form
- 📄 6262002 Variation Order
- 📄 6263001 Contract (with Subcontractor)
- 📄 6264001 Intra-company Agreement (ICA)

- Project Management
- Engineering
- Procurement
- Construction

Name

- 📁 M01. Planning
- 📁 M02. Meeting & report
- 📁 M03. Cost Estimate
- 📁 M04. Project Cost control
- 📁 M05. Job Closed out
- 📁 M06. As Built Dossier
- 📁 M07. Correspondence
- 📄 Index Project Management

Name

- 📄 7103000 Team Manpower Planning
- 📄 7144000 La Vie LA - Project plan
- 📄 7144001 Coordination_procedure
- 📄 7144002 Organization chart
- 📄 7144003 Construction Plan
- 📄 7145000 Quality plan
- 📄 7150000 Sample project action list

Name

- 📄 7426000 Design_Change_Summary
- 📄 7426001 Design Change Notice
- 📄 7426002 Provisional cost estimate for design change
- 📄 7426003 Statement of costs for design change
- 📄 7429001 Budget cost control & Site claim status
- 📄 7429002 Payment control status

DOCUMENT MANAGEMENT SYSTEM

- Documentation & Communication such as JSA, method statement, RFA ,RFI. ITP, test method, Inspection report, Certification of material (fireproof door, wall) Punch list, as built drawing and Hand over document.

MEETING SYSTEM

Project Kick-off

- Team introduction
- define the roles and responsibilities
- create the project framework
- set the technical meeting schedules for the Proposed detailed phase project works

Design Review Meeting

- Set a number of workshop meetings to review the detailed design

Project Review Meeting(Monthly / Weekly)

- Review/evaluate project situation
- organize technical meetings

Technical Meeting

- Target achieve solutions to specific subjects/issues

PROJECT REPORT

Monthly Project Report to include:

Monthly schedule report

Monthly progress report

Achievements, Risks & Concerns, Corrective Action Plan

EXAMPLE REPORT CONTENT

Executive Summary

Project Highlights

Design

Statutory Submission & Approval
Status

Progress Report

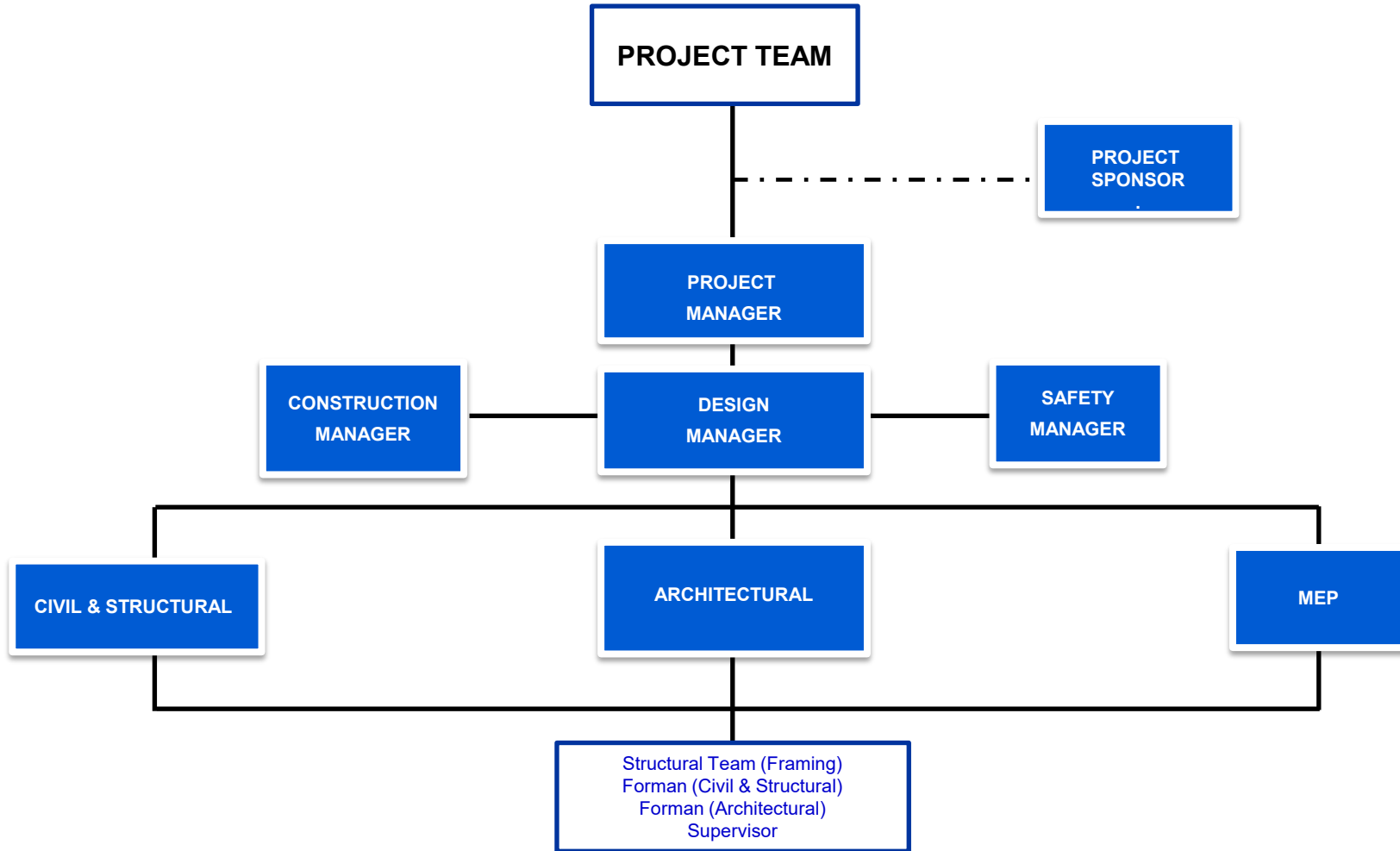
Schedule

Project Opportunities & Critical
Issues

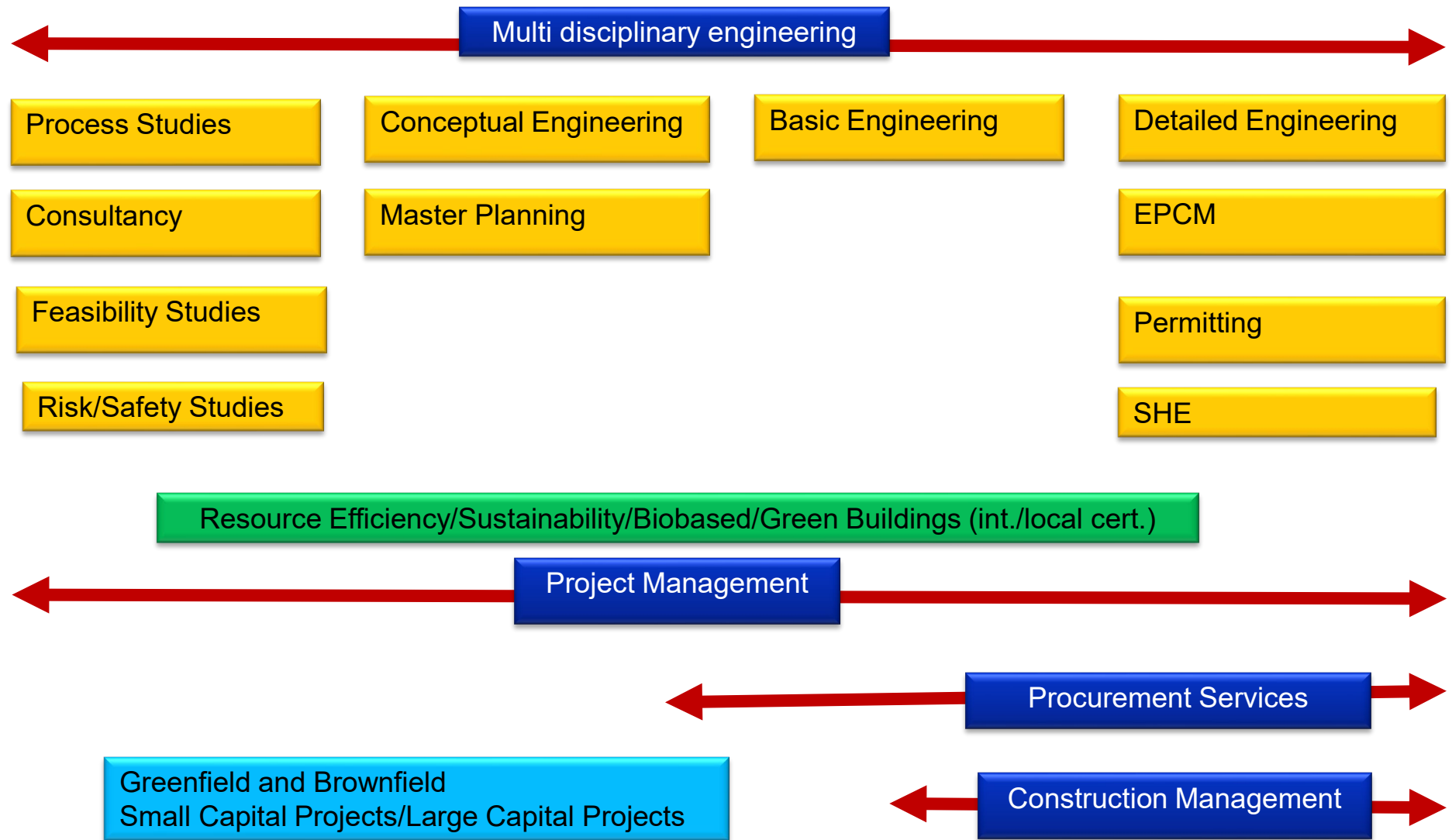
Commercial Aspects

Quality

ORGANIZATION CHART PROJECT MANAGEMENT



E O C O- CAPABILITIES INDUSTRY AND ALLIED MARKETS



QA/QC Factory inspections DIMENSION, WELDING LINE, SURFACE PREPRARATION & PAINT

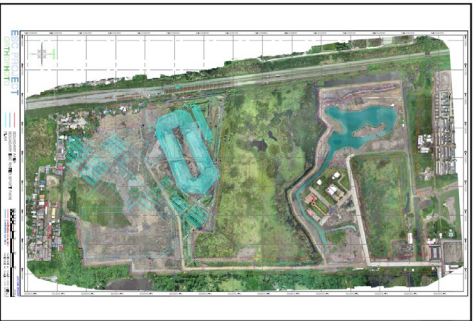


PICTURE OF INSPECTION.

<p>Photo 01 : Check dimension</p>	<p>Photo 02 : Check dimension</p>	<p>Photo 07 : Testing NDT - MT</p>	<p>Photo 08 : Testing NDT - MT</p>
<p>Photo 03 : Check dimension</p>	<p>Photo 04 : Check dimension</p>	<p>Photo 09 : Testing NDT - MT</p>	<p>Photo 10 : Testing NDT - MT</p>
<p>Photo 05 : Check dimension</p>	<p>Photo 06 : Testing NDT - MT</p>	<p>Photo 11 : Testing NDT - UT</p>	<p>Photo 12 : Testing NDT - UT</p>

<p>Photo 13 : Testing NDT - MT</p>	<p>Photo 14 : Testing NDT - UT</p>
<p>Photo 15 : ISO 8501-1:2007</p>	<p>Photo 16 : SA2.5</p>

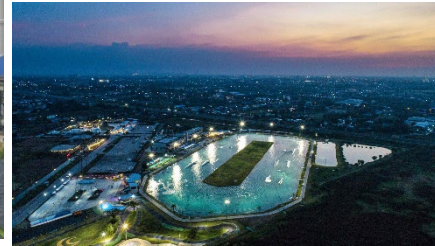
E O C O - SELECTED PROJECT REFERENCES



ESC STUDIO



Water Treatment Plant



WAKE PRAK.



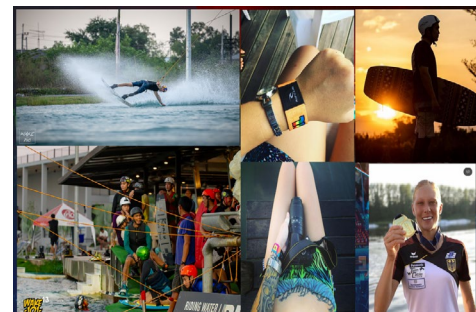
GOLF Driving Rang



Hotel



Showroom Mazda

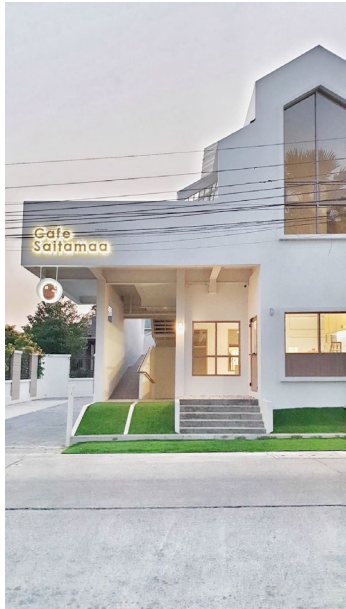


Sport Extram



Factory P80

E O C O - SELECTED PROJECT REFERENCES



CAFÉ SAITAMAA



Office AMR ASIA



H53



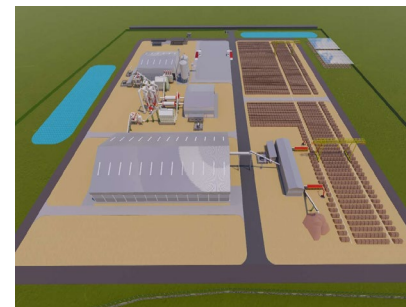
BAAN KHUN.NOTE



CHERMIN STUDIO



H38



Siphandone-RATCH Lao Co.,Ltd.



TEELEK FACTORY

E O C O - SELECTED PROJECT REFERENCES



ESC



ESC PARK

ESC STUDIO

E O C O - SELECTED PROJECT REFERENCES



บ้านสองห้อง

เรือนธัญญาภิรมย์

บ้านสวนสมัย

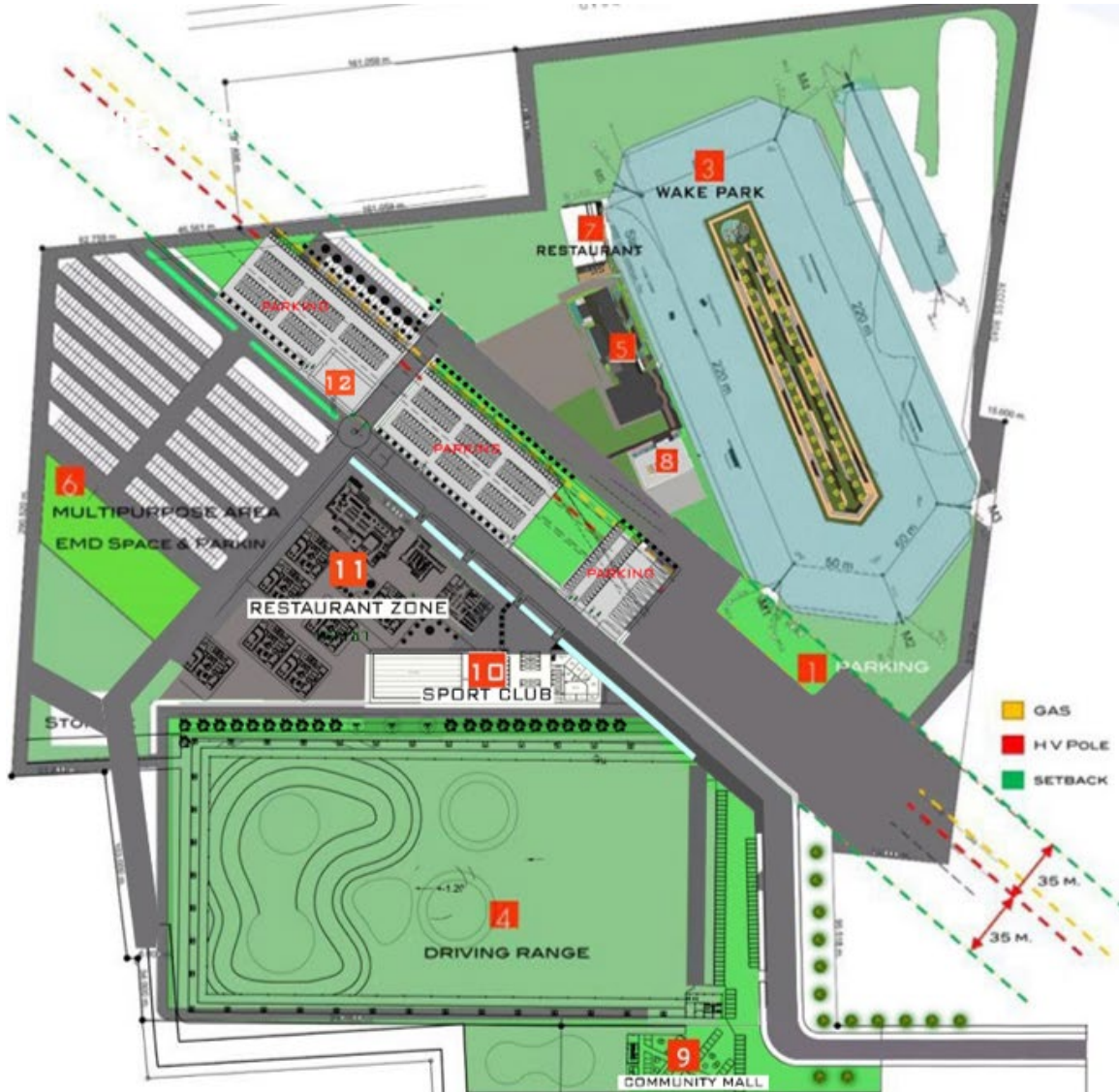
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วังนวลรัตน์

จุดที่ ๑๒๖

พื้นที่พัฒนาในอนาคต

E O C O - SELECTED PROJECT REFERENCES



ESC WATER SPORT PARK

- 1 PARKING
- 2 CLUBHOUSE
- 3 WAKE PARK
- 4 DRIVING RANGE
- 5 HOTEL
- 6 MULTIPURPOSE AREA (EMD SPACE & PARKING)
- 7 RESTAURANT
- 8 BALLROOM BUILDING 2
- 9 COMMUNITY MALL
- 10 SPORT CLUB
- 11 RESTAURANT ZONE
- 12 EXTREME SPORT PARK

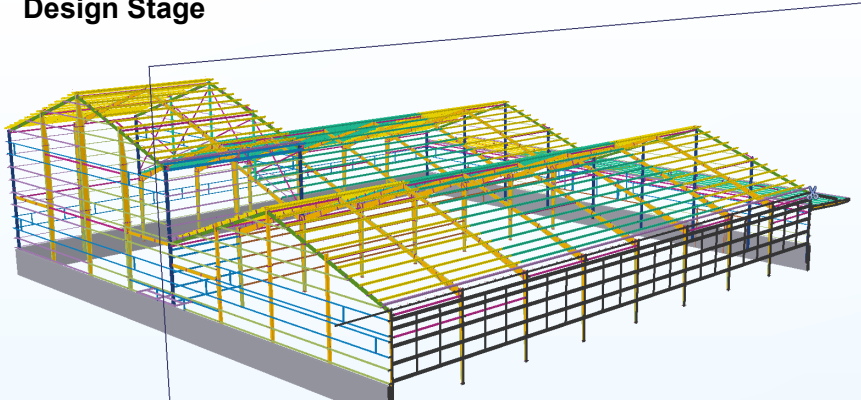
E O C O - SELECTED PROJECT REFERENCES



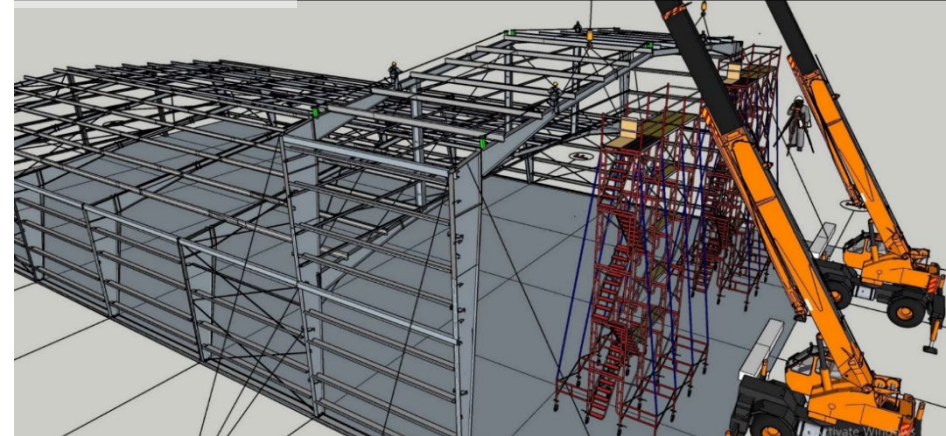
E O C O- SELECTED PROJECT REFERENCES



Design Stage



Method Statement



Construction Completion



During Construction

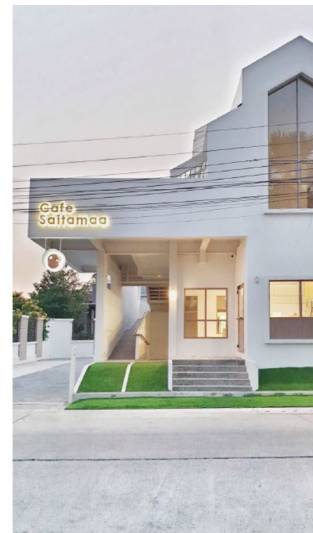
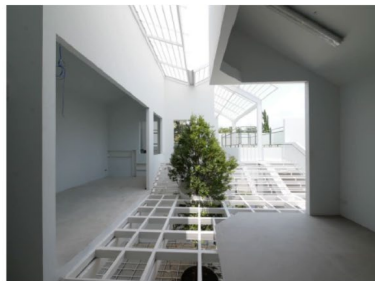
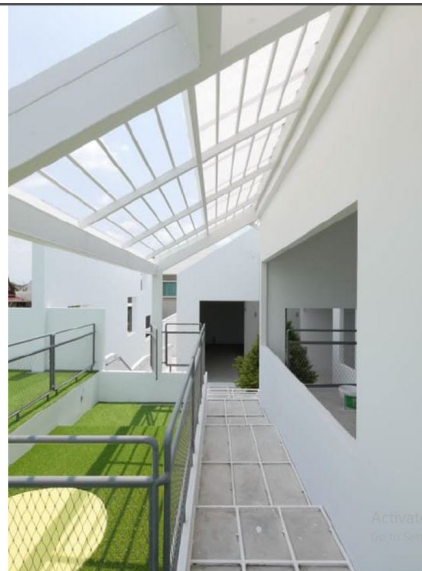


E O C O - SELECTED PROJECT REFERENCES

CAFÉ SAITAMAA

Bakery school, café and restaurant.

LOCATION	Nonthaburi, Thailand
CLIENT	Kanom Aroi Co., Ltd.
YEAR	2019
STATUS	Under Construction
PROGRAM	Restaurant & Bakery
PROJECT TEAM	Piyapak Vatanasrimongkol Thanapa Mekmek, Nichakorn Wanwilairat, Angsana Pintharat, Tula Nukfon #architecture #architecturedesign #architect #interiordesign #ci #visualdesign #brandingdesign



E O C O- SELECTED PROJECT REFERENCES



AMR ASIA

New HQ for AMR ASIA

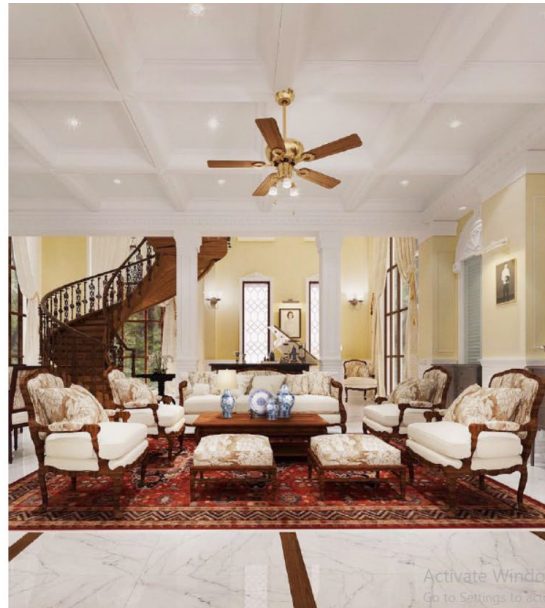
LOCATION	BKK, Thailand
CLIENT	AMR ASIA PLC
YEAR	From 2018
STATUS	Construction on progress
PROGRAM	Architectural
PROJECT TEAM	Piyapak Vatanasrimongkol
COLLABORATORS	Acco Engineering



E O C O - S E L E C T E D P R O J E C T R E F E R E N C E S

CHERMIN STUDIO

LOCATION	Bangkok, Thailand
CLIENT	K.Tanyare Engrakul
YEAR	2018
STATUS	Completed
PROGRAM	Studio
PROJECT TEAM	Studio PLP Design Team
COLLABORATORS	Archiculture Inter Group Co., Ltd.
	#DESIGN #CIBRANDING #INTERIOR
	#CONSTRUCTION #TURNKEY



E O C O- SELECTED PROJECT REFERENCES



P80

Area 34,543.00 Sq.m

LOCATION Lamphoon ,Thailand

CLIENT P80 Group

YEAR From 2022

STATUS Construction on Progress

PROGRAM Structural

COLLABORATORS Arun Engineering and construction Co.,Ltd.



EOCO-SELECTED PROJECT REFERENCES

Siphandone-RATCH Lao Co.,Ltd.

**SR WOOD PELLET PROJECT CAPACITY
100,000 TON/YEAR (LAO PDR)**

LOCATION Champasak Province, Laos P.D.R

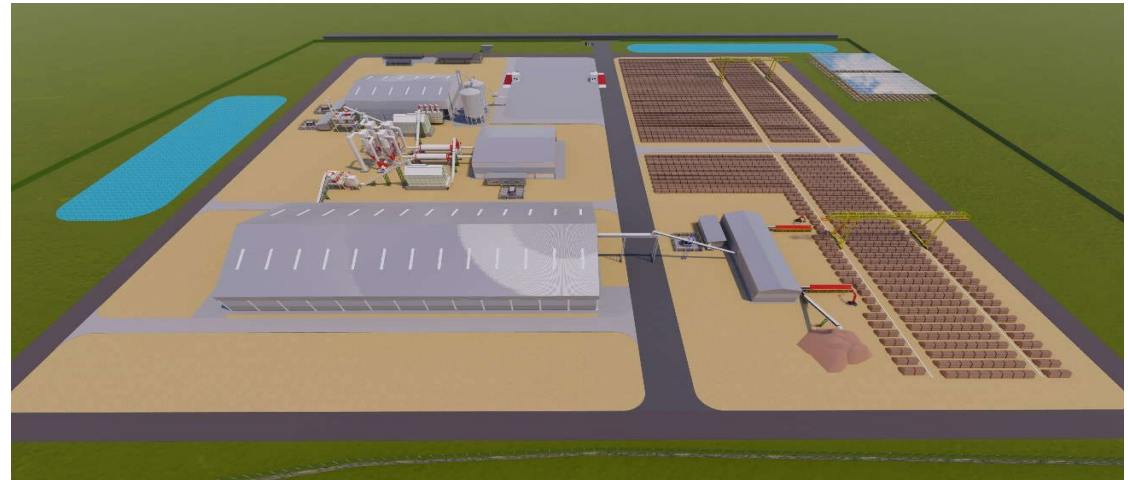
CLIENT Siphandone-RATCH Lao Co.,Ltd.

YEAR From 2022

STATUS Construction on Progress

PROGRAM Structural

COLLABORATORS BRR INNOVATION RENEWABLE TECHNOLOGY CO., LTD.



SOIL EXCAVATION AND BACKFILL WORK



Excavation and Backfill Zone 1



Backfill and Grading Zone 1



Backfill the pond Zone 3



Grading Zone 2-3



Backfill and Grading Zone 3



Soil grading and compaction zone 2

E O C O- SELECTED PROJECT REFERENCES



TEELEKFACTORY SAMPARAN NAKHONPATHOM

SR WOOD PELLET PROJECT CAPACITY
100,000 TON/YEAR (LAO PDR)

Area 2,490.00 Sq.m

LOCATION Nakuonpathom Province, Thailand.

CLIENT Teelek factory Co.,Ltd.

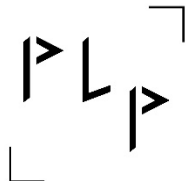
YEAR From 2022

STATUS Design on Progress

PROGRAM Structural

COLLABORATORS Chote Architects Studio





WHY EOCO ENGINEERING

Why EOCO

- “One Stop Shop
- Consultants and Engineers
- Local presence
- Account management
- Tailor made projects/ project teams
- Knowledge management / Experiences in network
- Alliances / Partnership

Why EOCO

Engineering

- Integrated planner and plant constructor, partner for all project phases
- Top references in all project sizes and all kinds of projects
- Satisfied clients

Oppportunity

- Specialized in chemical, food, cosmetic & pharmaceutical fields
- Comprehensive know-how regarding

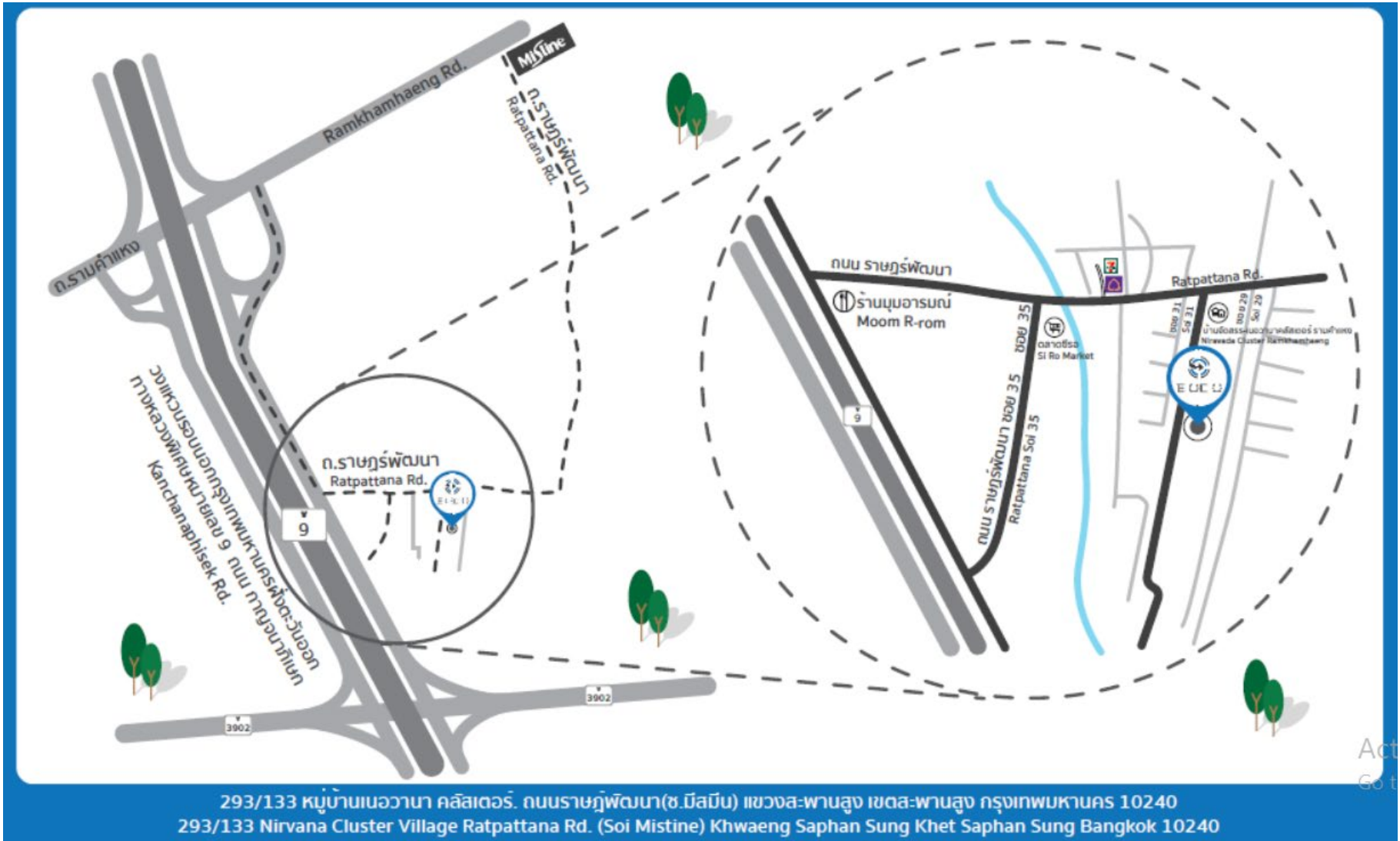
Component

- Modern methods for the project execution
- State of the art planning tool
- All critical utilities are covered in-house

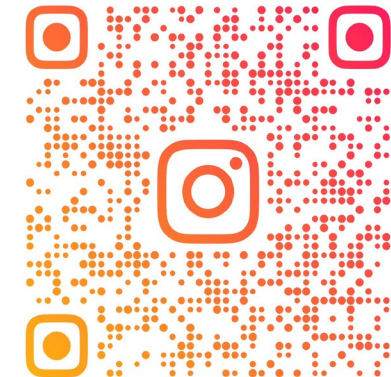
Output

- Expertise You Can Count On, Outputs You Can Measure

Map



Contact us



<https://www.eocoengineering.com/>

THANK YOU VERY MUCH FOR YOUR ATTENTION.

Thank You