

AEKKASIT THOKAEW

I am a recent civil engineering graduate with internship experience in construction companies. I am committed to enhancing my skills and knowledge to excel in challenging roles. CIVIL ENGINEER

PORTFOLIO 2024

MY PROJECT

PORTFOLIO

PROJECT NAME "ENHANCING ENERGY EFFICIENCY USING BIM"

WORK FLOW

 Analyzing light distribution for optimized and energy-efficient lighting.

 Conducting airflow analysis for increased comfort and energy savings.

•Solar cell analysis to determine placement and energy generation for clean and sustainable energy production.

OUTCOMES

•Integrating data from Lighting Analysis, CFD, and Dynamo for comprehensive and accurate insights.

•Fine-tuning the BIM model to enhance energy efficiency.

•Delivering clear and efficient results that emphasize a detailed understanding of energy dynamics.

Senior Project

INSIGHT PROJECT

Implemented Revit's Lighting Analysis for interior lighting assessment, integrating results into the BIM model. Utilized **Revit's CFD module for airflow** analysis, understanding its impact on energy usage and comfort

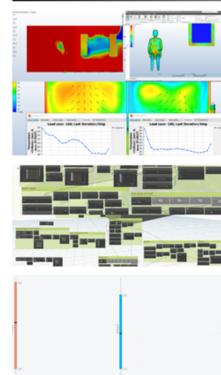
Employed Dynamo in Revit for solar cell placement analysis. Integrated findings for a holistic energy analysis covering lighting, airflow, and solar cell energy

Delivered clear, efficient results emphasizing a comprehensive understanding of energy dynamics.

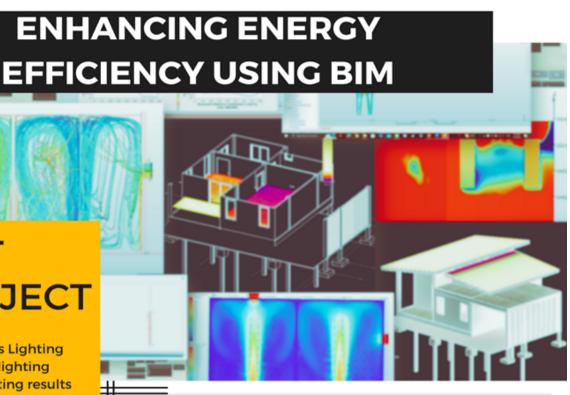
"Lighting & Airflow analysis, Solar Cells, integrated into BIM for holistic energy insights."

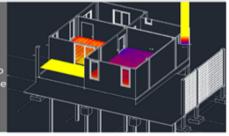
> **Our Team** Aekkasit Thokaew Parit Paengtawee Attawat Nutibenjaphol

Use Lighting Analysis from Revit to analyze interior lighting within the building. Integrate the results of Lighting Analysis into the BIM model to understand light distribution within the building throughout the day.

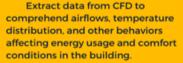


Civil Engineering



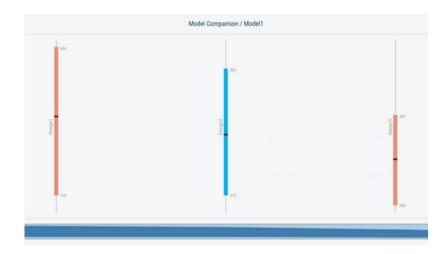


Utilize Computational Fluid Dynamics (CFD) module in Revit to analyze airflows inside and around your structure.



Use Dynamo in Revit to analyze the installation of solar cells. Create scripts in Dynamo to simulate and plan the positioning and installation of solar cells on your model

Combine results from Lighting Analysis, CFD, and Dynamo to analyze energy usage comprehensively, covering lighting, airflow, and energy generated by solar cells.



This project will have a wide impact on the future use of energy.

2023 - 2024

MY CERTIFICATES

PORTFOLIO

CERTIFICATES

AUTODESK REVIT – KICK STARTER

Udemy Certificate

CERTIFICATE OF COMPLETION

Autodesk Revit - Kick Starter

Instructors Steve Clancy

ûdemy

Aekkasit Thokaew

Date March 3, 2024 Length 8 total hours Certificate no: UC-20a70e41-64d2-4f20-81c8-d8485afbcac4 Certificate url: ude.my/UC-20a70e41-64d2-4f20-81c8-d8485afbcac4 Reference Number: 0004

CERTIFICATES

THE COMPLETE AUTOCAD 2018-21 COURSE

Udemy Certificate

ûdemy

CERTIFICATE OF COMPLETION

The complete AutoCAD 2018-21 course

Instructors Jaiprakash Pandey

Aekkasit Thokaew

Date March 1, 2024 Length 18 total hours Certificate no: UC-5fec8f67-8ed2-4f15-bdf4-9dd1ee71513b Certificate url: ude.my/UC-5fec8f67-8ed2-4f15-bdf4-9dd1ee71513b Reference Number: 0004

CERTIFICATES

คอร์สเรียน EXCEL ฉบับแจ้งเกิด

Udemy Certificate

ûdemy

CERTIFICATE OF COMPLETION

คอร์สเรียน Excel ฉบับแจ้งเกิด

Instructors Veerachai Junhunkit

Aekkasit Thokaew

Date March 5, 2024 Length 16 total hours Certificate no: UC-0c600adc-a107-4b73-aac1-e58ef923fa68 Certificate url: ude.my/UC-0c600adc-a107-4b73-aac1-e58ef923fa68 Reference Number: 0004