PEDI
Civil Solutions

Professional **E**ngineers for **D**eveloping **I**nnovative Civil Solutions

HOMEPAGE

業務実績

60 CIM Projects
20 BIM Projects
15 CG Projects
20 Design simulation Projects

3 International Conference Organization Supporting
10 Vietnam Based Project Coordinator

15 Civil Solutions Development

CIM Projects

BIM Projects

CG Projects

Simulation
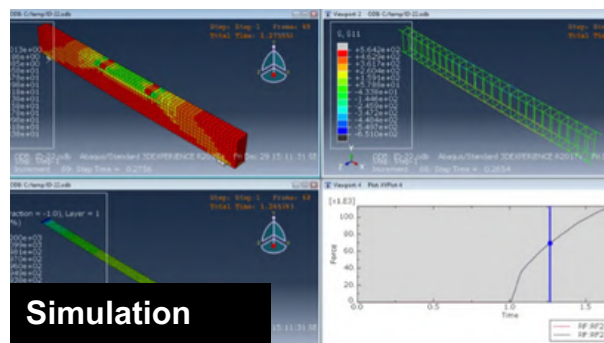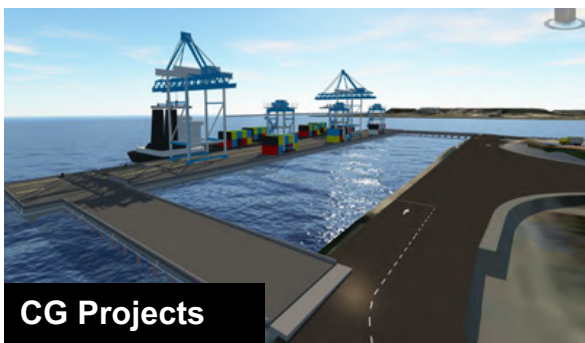
PEDI CIVIL SOLUTIONS
JOINT STOCK COMPANY

🌐 **WWW.PEDICIVIL.COM**

📍 **HEAD OFFICE: 6F VNPT BUILDING, 344 2/9 STREET, HAI CHAU DISTRICT, DANANG CITY , VIETNAM**

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" SEE OPPORTUNITIES IN DIFFICULT TRANSFER IDEAS INTO SOLUTIONS ! "

会 社 設 立 経 緯

PEDI CIVIL SOLUTIONSの創業に関わるメンバーは共に、ベトナム戦後に生まれ、国が豊なでない幼少期を過ごし、先進国で技術を学び国を豊にするという志を持って世界各国への海外留学にチャレンジした同志です。

海外留学の旅立ちから、十数年が経ち、語学学校そして大学・大学院を卒業し、長年外国の企業で実績を積んできた私たちは、この節目で母国のベトナムに帰国し、初心の志を実現していくチャレンジャーです。生まれ育った故郷からグローバル企業を目指した第一歩を始めます。

近年、目覚ましい経済発展を遂げていると同時に、急速な社会課題に直面しています。特に、都市開発、インフラ整備、気候変更、自然災害、環境問題等社会基盤整備に関わるものが国民の安全・安心、国の経済発展に長期に渡り、大きな影響を与えています。これらの課題は、世界各国の共通なものであり、これまで学んできた先進国が蓄積してきたノウハウや技術を活用していきたいと考えます。この過程において、PEDI CIVIL SOLUTIONSが是非とも唯一無二の技術の架け橋になることを経営戦略の軸に置いております。

世界最先端技術をよく理解し、ベトナムの状況を熟知していることをアドバンテージに、インフラ整備全般に関し現状の課題と将来の発展にカスタマイズしたベストソリューションの提案にコミットするコンサルティング企業を目指します。

それから、ベトナムで仕事をする外国企業にとって、価値観を共感できる現地のベストなパートナシップを目指し、海外の最先端技術との架け橋になる企業として、ともに安全・安心で豊かな社会を創造していきたいと志します。

現在、目覚ましい進化を遂げているIOT、AI技術に関わるベトナムの豊富なIT人材を最大限にコラボーし、ベトナム国内に限らず、国境を越えた建設分野DXの実現に貢献できるイノベーション、ソリューションの開発にも精力的に取り組んでいき、将来のグローバル企業を目指します。生産性向上や自動化を主軸にする時代へと転換しているなか、世界の建設企業にとって信頼されるパートナとなれることを切に願っております。

また、インフラ整備の未来を担う建設技術者の育成事業にもチャレンジし、国境・文化・言葉の壁を越え、グローバル・インフラ整備の技術の架け橋になる次世代の技術者を育成する事業も弊社の重要な戦略として考えております。

Opportunity for company establishment

We (PEDI founders) were born after the Vietnam War and grew up in the era our country was rebuilt along with many difficulties. We were among the fortunate students who had the chance to study abroad in developing countries around the world with the passion to study the World's cutting-edge technology and would be able to become a petit puzzle in our country's developing process in future.

It has been years since we started our learning journey, throughout language schools, universities, and graduate schools, working in global companies with various field experiences. We crossed our paths when together, by chance, returning to Da Nang, our hometown, realized our common passion and vision, and decided to join together to start a company in this motherland. That's the beginning story of PEDI Civil Solutions. We would like to start from a humble local consulting firm, but we have the ambition to grow PEDI into a global company in future.

While Vietnam has achieved remarkable economic development in recent years, it also comes together with a lot of issues. In particular, urban development, infrastructure construction, climate change, natural disasters, environmental concerns, etc. These are, indeed, common issues in all countries, and we would like to apply and transfer the know-how and technology that developed countries have accumulated so far to solve these issues in Vietnam. In terms of this, we set up our very first milestone is to become a unique pioneer, as of bridge of technology, in the construction industry of Vietnam.

In local market, PEDI aims to be a civil consulting firm which is committed to proposing the best solutions customized to current issues and future developments regarding infrastructure development, taking advantage of having a good understanding of the world's most advanced technology and familiarity with the Vietnam's situation and culture.

For foreign companies working in Vietnam, we would target to create the indispensable local partnerships that evaluate the same values, and work together to create new milestones for development of the country.

Along with consulting business, PEDI also put our earnest effort in developing innovations and solutions in term of DX in the construction field, not only in Vietnam but also across borders. Taking the best use of Vietnam's potential IT human resources in terms of IoT and AI technology, which is currently undergoing remarkable evolution, PEDI is ambitious to be a Vietnam's pioneer company in Construction DX market.

Starting from this very first step, we will keep our utmost effort to approach step by step to our highest goal of becoming a global consulting firm in the future, which would contribute to elaborate the gaps and borders in civil development, by innovations and technologies. We sincerely hope that we would become a trusted partner to together find solutions for whatever projects, in wherever countries in the civil development aspect.

Last but not least, PEDI also consider engineers training for construction field as one of our key businesses, as a sustainable key to grow up next-generation engineers, who will be responsible for the future of infrastructure development. Infrastructure has a long history and technology succession would be always the key strategy for present. Tomorrow starts from today. Together We build it from this moment.

経営理念

世界最先端技術の熟知をアドバンテージに、誠意をもって、プロフェショナル意識、高い志と強い責任感を軸に建設技術のボーダーレス化により、ベトナムの社会課題の追及や最適なソリューションの提供し、母国の発展や世界の課題解決に貢献する。

ビジョン

海外留学の経験、多様な分野の技術者集団のポテンシャルを最大限に活かし、ベトナム初のグローバル総合コンサルタンツ企業を目指す。

"アイデアを形に、課題からチャンスへ、インフラを通じて、社会に貢献"

OUR MISSION

As a professional company, with advantage of our knowledge of the world's cutting-edge technology, sincerity, passion and utmost responsibility, we're committed to developing and delivering innovative solutions for all civil issues not only in our country but also for all area in the world. We believe every issue would have a solution and there is no border for technology.

OUR VISION

Taking the best use of Experiences from studying and working in many countries, we target to become the first Vietnam-based global consultant firm.
By prioritizing engineer training service, we would aim to grow as a Vietnam pioneer company in this aspect.

"See opportunities in difficulties, transfer ideas into solutions"

業務分野/SERVICES

総合建設コンサルタンツ（インフラ整備、都市計画、農業開発、防災、気候変動等）における現地調査、測量、基礎調査、資料収集・整理、数値シミュレーション関係機関ヒアリング、市場調査、イベント・セミナー開催等の委託業務

PROFESSIONAL CONSULTING SERVICES FOR VARIOUS ASPECTS OF INFRASTRUCTURE FIELD.

CIM/BIM/CG/VRの委託業務
CIM/BIM/CG/VR OUTSOURCING

CIM/BIM/I-CONSTRUCTION 全般の総合サービスの提供、オーダーに応じるソリューション開発、世界各国の要求基準に対応するアウトソーシング
CIM/BIM/I-CONSTRUCTION OUTSOURCING

解析/シミュレーション委託業務
SIMULATION/ANALYSIS OUTSOURCING

構造、地盤、流体、交通の幅広い分野の数値計算、解析、シミュレーションの委託業務
NUMERICAL CALCULATION, ANALYSIS, AND SIMULATION OUTSOURCING IN A WIDE RANGE OF FIELDS SUCH AS STRUCTURE, GROUND, FLUID, AND TRANSPORTATION.

設計/計画業務
DESIGN WORK
土木・建築構造物の設計に関わる業務
DESIGN SERVICES FOR VARIOUS CIVIL AND BUILDING STRUCTURES

ベトナム関係プロジェクトへの現地支援
LOCAL SUPPORT FOR VIETNAM-BASED PROJECTS

ベトナム現地の専門家、技術者、行政機関との幅広いネットワークを活用し、ベトナムに展開するプロジェクトをサポート
UTILIZING A WIDE NETWORK OF LOCAL EXPERTS, ENGINEERS, AND ADMINISTRATIVE AGENCIES IN VIETNAM TO SUPPORT VIETNAM-BASED PROJECTS.

新技術開発 - INNOVATIVE CIVIL SOLUTIONS
R＆D成果をベースにする建設分野における新ソリューション開発
DEVELOPING SOLUTIONS BASED ON R&D OUTCOMES

土木技術者育成・派遣
CIVIL ENGINEERS TRAINING & COORDINATING/DISPATCHING
基礎技術力に加えて、外国語（英語、日本語）やグローバルな企業環境・基準に対応できる次世代エンジニアの育成・派遣事業
CIVIL ENGINEER TRAINING (TECHNICAL BASIC, LANGUAGE, GLOBAL STANDARD) & DISPATCHING SERVICE

会社概要/COMPANY PROFILE

- ## 社名/COMPANY NAME
  PEDI CIVIL SOLUTIONS 株式会社
  PEDI CIVIL SOLUTIONS JSC.

- ## 創立日/FOUNDING DATE
  2022年10月26日 (26/10/2022)

- ## 資本金/REGISTERED CAPITAL
  1,000,000,000 VND / 約6.000.000円

- ## 代表取締役/REPRESENTATIVE DIRECTOR
  MAI THI THU THUY

- ## 共同創設者/CO-FOUNDERS
  NGUYEN MINH HAI-取締役副社長/*Vice Director*
  PHAN HIEU NHAN-取締役副社長/*Vice Director*
  DANG HOANG DUY-総務部マネージャ/*Operation Manager*
  PHAN HOANG NAM-技術マネージャー/*Technical Manager*

- ## 本社/HEAD OFFICE
  59B LE LOI STREET、HAI CHAU DISTRIST、DANANG CITY、VIET NAM

- ## 社員と保有資格

博士(工学)	8名	PHD(CIVIL)	8
日本技術士(建設)	1名	PROFESSIONAL ENGINEER (CIVIL, JAPAN)	1
建築士	1名	ARCHITECT	1
日本語能力試験1級	3名	JAPANESE-LANGUAGE PROFICIENCY TEST N1	3

- ## 連携企業・機関/

  - I-STAR RESEARCH GROUP IN THE UNIVERSITY OF DANANG – UNIVERSITY OF SCIENCE AND TECHNOLOGY.
  - SA HOLDINGS, KOSO, FUCA, ARI-STEEL, HT-PLUS, SUNRISE DANA, ETC.

創立者/FOUNDERS

MAI THI THU THUY
代表取締役社長
DIRECTOR

資格：日本技術士（建設部門）
学位：修士工学（茨城大学大学院、日本）
分野：海岸工学、地盤工学
言語：日本語、英語、中国語、ベトナム語
経験：10年（パシフィックコンサルタンツ、五洋建設）
メールアドレス: t.mai@pedicivil.com

Qualification: Professional Engineer (Japan, Civil)
Academic Credential:: Master of Engineering
      (Ibaraki University)
Field: Coastal Engineering, Geotechnical
Engineering
Language: Japanese, English, Mandarin,
Vietnamese
Experience: 12 years
      (Pacific Consultants,
       Penta Ocean Construction)
Email: t.mai@pedicivil.com

NGUYEN MINH HAI
取締役副社長（技術開発）
VICE DIRECTOR

学位：　博士工学（宇都宮大学大学院、日本）、
分野：　構造・材料工学;
言語：　日本語、英語、ベトナム語
実務経験：10年（宇都宮大学助教、ダナン工科大学講師、多数のR&Dプロジェクト参加等）
メールアドレス: hai.nguyen@pedicivil.com

Academic Credential: Doctor of Engineering
      (Utsunomiya University, Japan),
Field: Structural and Materials
      Engineering;
Languages: Vietnamese, Japanese (N1), English
Work Experience: 12 years (Assistant Professor at
      Utsunomiya University,
      Lecturer at Da Nang
      University of Technology teacher,
      participated in many R&D
projects, etc.)
Email: hai.nguyen@pedicivil.com

PHAN HIEU NHAN
取締役副社長（経営計画）
VICE DIRECTOR

学位：学士工学（秋田大学）
分野：交通環境工学
言語：日本語、ベトナム語
経験：7年（株式会社フジタ　施工管理、有限会社FUCA　代表）
メールアドレス　: nhan.phan@pedicivil.com

Academic Credential: Bachelor of
Engineering
      (Akita University)
Field: Traffic and Environmental Engineering
Language: Japanese, Vietnamese
Experience: 11 years (Fujita Corporation
      construction management,
      limited company FUCA CEO)
Email: nhan.phan@pedicivil.com

DANG HOANG DUY
総務部マネージャ
OPERATION MANAGER

学位：学士工学（宇都宮大学）
分野：建築工学
言語：日本語、ベトナム語
経験：11年（株式会社サイアート代表）
メールアドレス: duy.dang@pedicivil.com

Academic Credential:: Bachelor of Engineering
      (Utsunomiya University)
Field: Architectural Engineering
Language: Japanese, Vietnamese
Experience: 13 years
      (Representative of Signart Co., Ltd.)
Email: duy.dang@pedicivil.com

PHAN HOANG NAM
技術マネージャー
TECHNICAL MANAGER

学位：博士工学（ROME 3 UNIVERSITY, ITALIA）
分野：STRUCTURAL ANALYSIS、AI SOLUTIONS、RISK ASSESSMENT;
言語：英語、ベトナム語
実務経験：12年（ROME 3 UNIVERSITY 研究員、ダナン工科大学　助教授、多数のR&Dプロジェクト参加等）
メールアドレス: nam.phan@pedicivil.com

Academic Credential:: Doctor of Engineering
      (Rome 3 University, Italia),
Disciplines: Structural Analysis, AI solutions, Risk
Assessment;
Languages: Vietnamese, English
Work experience: 14 years (Researcher at Rome 3 University,
      Da Nang University of Technology
      Lecturer, participation in many R&D
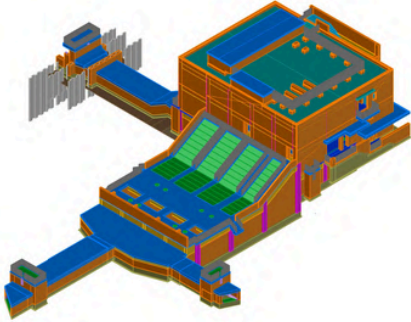projects, etc.)
Email: nam.phan@pedicivil.com
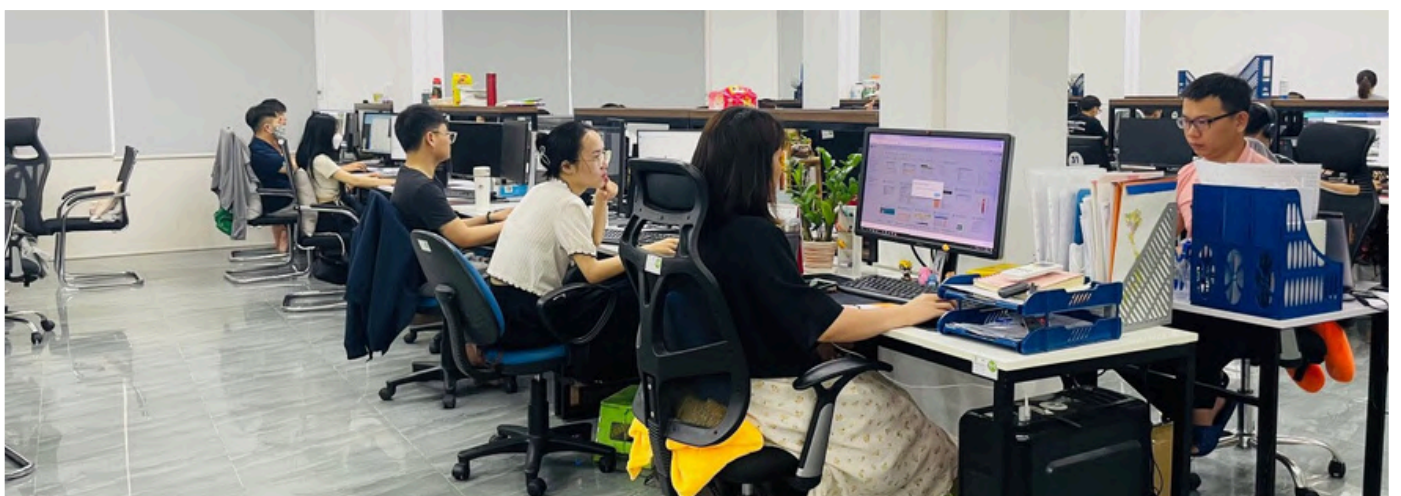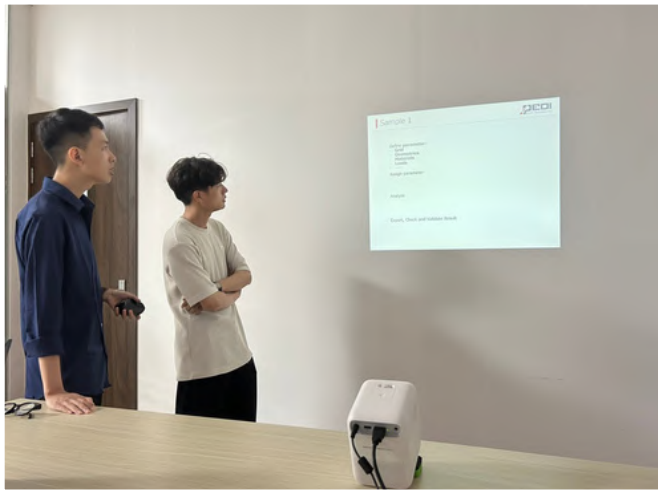
LEADER: PHAN HIEU NHAN

資格/QUALIFICATION: 学士工学（秋田大学 ）
BACHELOR OF ENGINEERING (AKITA UNIVERSITY)

分野/FIELD: 交通環境工学/TRAFFIC AND ENVIRONMENTAL ENGINEERING
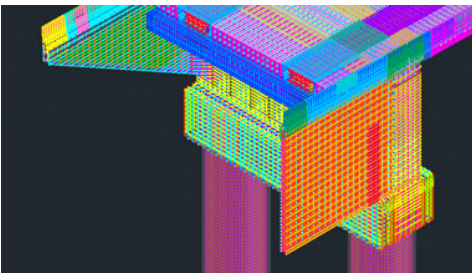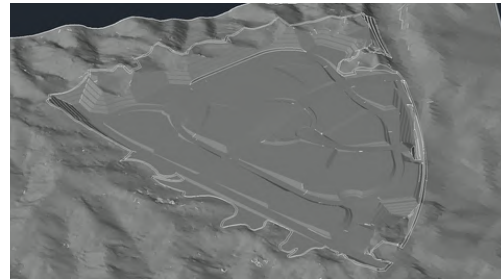
ソリッド モデリング/SOLID MODELING

SOFTWARE : AUTOCAD 3D , CIVIL 3D

トンネル、建物、H鋼/TUNNEL , BUILDING , H STEEL.

サーフェスモデリング/SURFACE MODELING

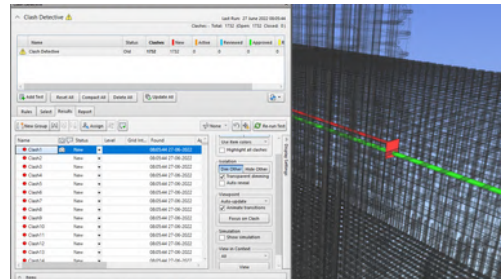**SOFTWARE : CIVIL 3D**

現況地盤、計画地盤/CURRENT GROUND , PLAN GROUND

配筋3Dモデリング/REINFORCEMENT 3D MODELING

SOFTWARE : REVIT , CIVIL 3D

構造物,鉄筋の干渉チェック、積算数量算出/ 3D COMBINE CLASH REPORT , CUMULATIVE QUANTITY CALCULATION

SOFTWARE : NAVISWORKS

施工ステップモデル、アニメーション制作/ CONSTRUCTION STEP MODEL, ANIMATION

SOFTWARE : INFRAWORK , FUZO

PEDI Civil Solutions

LEADER: HUYNH TRONG NGHIA

資格/QUALIFICATION : BACHELOR OF ENGINEERING (DA NANG ARCHITECTURE UNIVERSITY)

分野/FIELD: ARCHITECTURE

建築３Dモデリング/
ARCHITECTURE 3D MODELING
SOFTWARE : REVIT, ARCHICAD
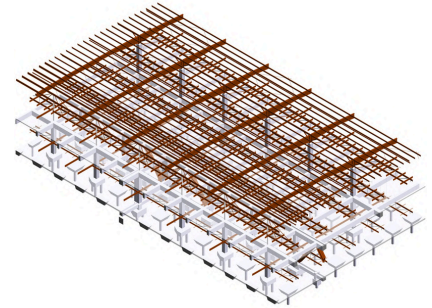
構造３Dモデリング/
STRUCTURE 3D MODELING
SOFTWARE : REVIT, ARCHICAD
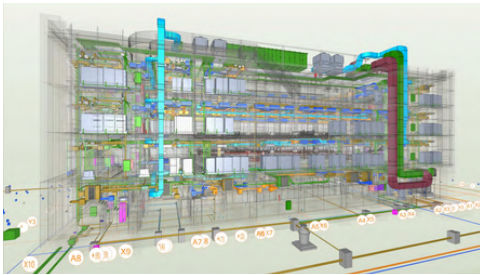
配管３Dモデリング/
MEP 3D MODELING
SOFTWARE : REVIT , REBRO , TFAS

干渉チェック/
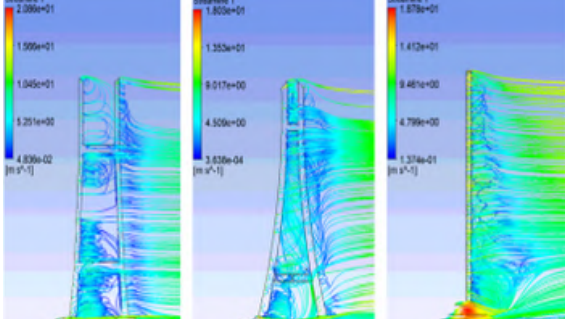### 3D COMBINE CLASH REPORT.
SOFTWARE : NAVISWORKS , SOLIBRI
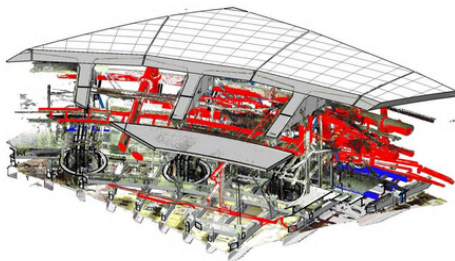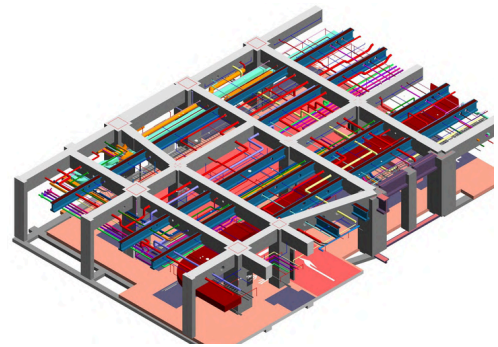
点群データからBIM化/
POINT CLOUD TO BIM
SOFTWARE : REVIT , ARCHICAD

LEADER: PHAN HOANG NAM

資格/QUALIFICATION：博士工学/DR. ENG.（ROME 3 UNIVERSITY, ITALIA）

分野/FIELD：STRUCTURAL ANALYSIS ,AI SOLUTIONS, RISK ASSESSMENT

橋梁の空力解析/AERODYNAMIC INSTABILITY MODELING AND ANALYSIS OF LONG-SPAN BRIDGE AND HIGH-RISE BUILDING

SOFTWARE: ANSYS

PROJECT NAME: AERODYNAMIC FLUTTER ANALYSIS OF CABLE-STAYED BRIDGE BASED ON COMPUTATIONAL FLUID DYNAMICS
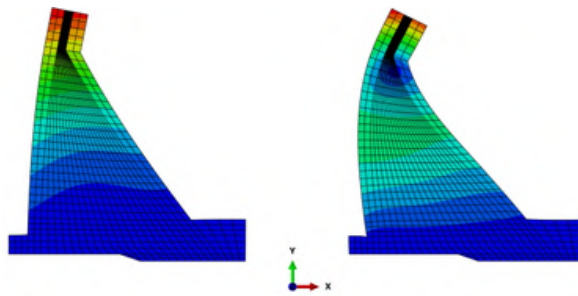
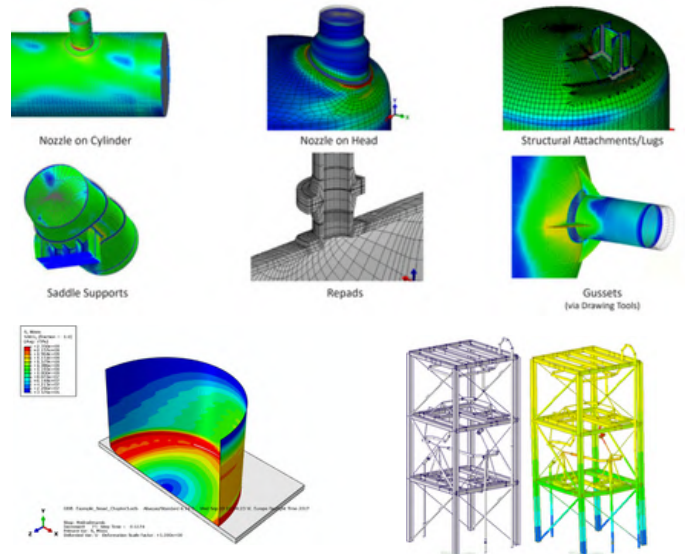### 動的荷重下のダムと貯水池の相互作用の再現解析/ FEA OF DAM-RESERVOIR INTERACTION UNDER STATIC AND DYNAMIC LOADS

SOFTWARE: ABAQUS

PROJECT NAME: SEISMIC ANALYSIS OF HAPCHEON DAM IN SOUTH KOREA

貯蔵タンクのコンポーネントの応力解析
FEA OF INDUSTRIAL FACILITIES
SOFTWARE: ABAQUS

PROJECT NAME: COMPONENT FRAGILITY EVALUATION AND SEISMIC SAFETY ASSESSMENT OF "SPECIAL RISK" PETROCHEMICAL PLANTS UNDER DESIGN BASIS AND BEYOND DESIGN BASIS ACCIDENTS (INDUSE-2-SAFETY)

Nozzle on Cylinder

Nozzle on Head

Structural Attachments/Lugs

Saddle Supports

Repads

Gussets
(via Drawing Tools)

LEADER: NGUYEN MINH HAI

資格/QUALIFICATION：博士工学/DR. ENG.（UTSUNOMIYA UNIVERSITY, JAPAN)

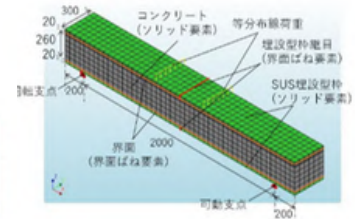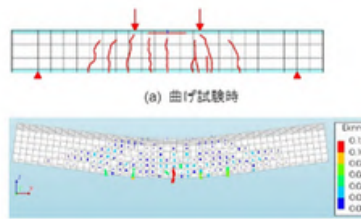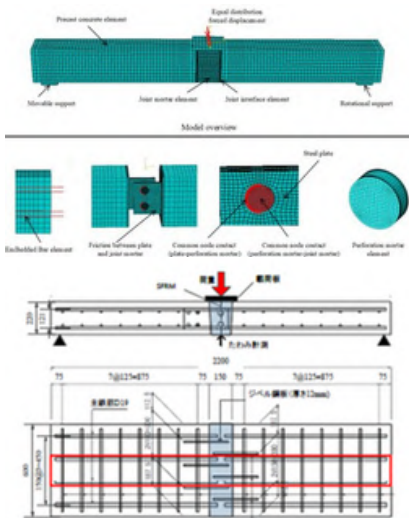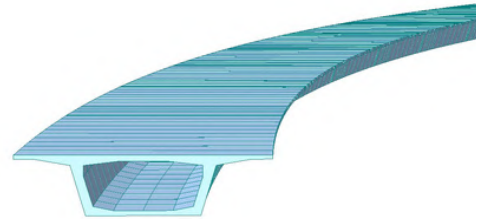分野/FIELD：構造・材料工学/STRUCTURAL AND MATERIALS ENGINEERING
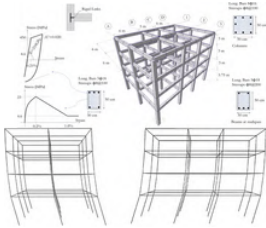
静的および動的荷重を受ける鋼・RC・複合構造の建物の数値解析/
FEA OF STEEL, REINFORCED CONCRETE FRAMES AND BUILDINGS UNDER STATIC AND DYNAMIC LOADS

SOFTWARE: OPENSEES

PROJECT NAME: A NOVEL FRAMEWORK FOR SEISMIC RISK ASSESSMENT OF STRUCTURES

橋梁の静的と動的挙動解析/
FEA OF BRIDGES UNDER STATIC AND DYNAMIC LOADS

SOFTWARE: MIDAS CIVIL

埋設型枠を有する梁の静的挙動解析/
FEA OF CONCRETE BEAM WITH PERMANENT FORM

SOFTWARE: DIANA

PROJECT NAME: PERFORMANCE EVALUATION OF PERMANENT FORM, R&D PROJECT

プレキャスト床版の接合部曲げ挙動の数値解析/
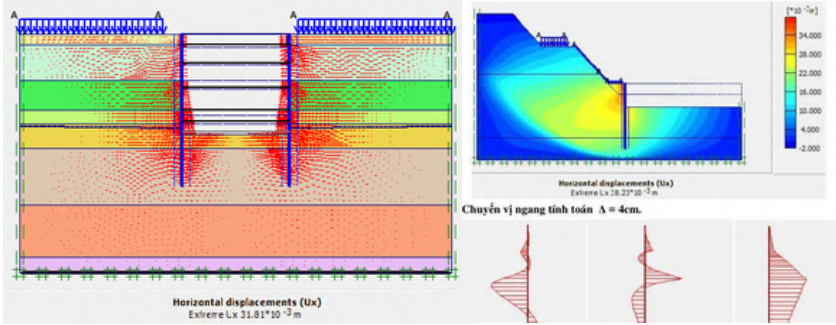### FEA ON FLEXURAL BEHAVIOR OF PRECAST SLAB CONNECTION

SOFTWARE: ABAQUS

PROJECT NAME: DEVELOPMENT OF A PRECAST SLAB JOINT WITH PERFOBOND STRIPS AND STEEL FIBER-REINFORCED MORTARS
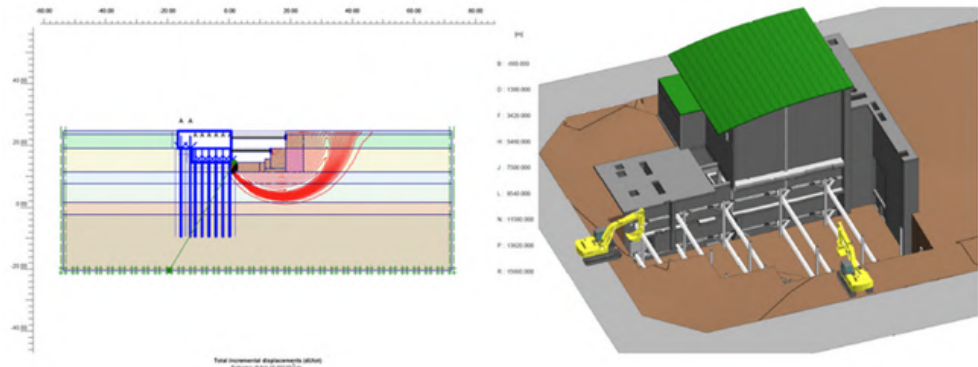
LEADER: HOANG PHUONG TUNG

資格/QUALIFICATION：博士工学/DR. ENG.（IOWA STATE UNIVERSITY, USA）

分野/FIELD：地盤工学/ GEOTECHNICAL ENGINEERING

仮設構造物設計/
TEMPORARY STRUCTURE DESIGN

SOFTWARE: PLAXIS 2D

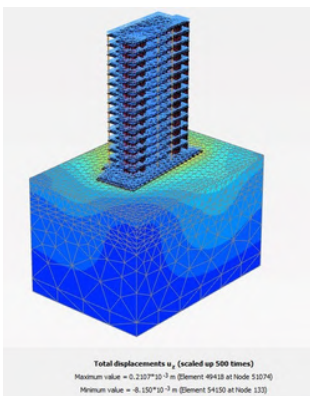DESIGN OF RETAINING STRUCTURES CONSIDERING EXCAVATION STEPS, STRESS ANALYSIS OF THE GROUND, SLOPE STABILITY, GROUNDWATER SEEPAGE SIMULATION, ETC.

仮設構造物設計、斜面安定計算/
TEMPORARY STRUCTURE DESIGN, SLOPE STABILITY ANALYSIS

SOFTWARE: PLAXIS 2D

DEEP EXCAVATION WITH THE SHEET PILE WALL AT THE LIFT PUMP STATION

高層ビルプロジェクトの地盤解析/
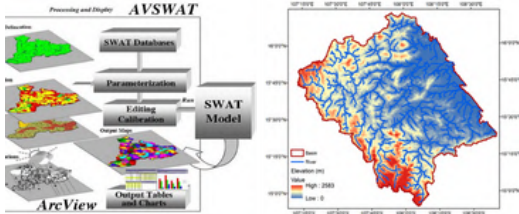## FOUNDATION ANALYSIS FOR TALL BUILDING PROJECTS

SOFTWARE: PLAXIS 3D

SIMULTANEOUSLY MODELING THE BUILDING AND THE FOUNDATION TO ANALYZE THE ENTIRE STRUCTURE

PEDI Civil Solutions

LEADER: NGUYEN VAN HUONG

資格/QUALIFICATION：博士工学/DR. ENG.（NANTES UNIVERSITY, FRANCE）

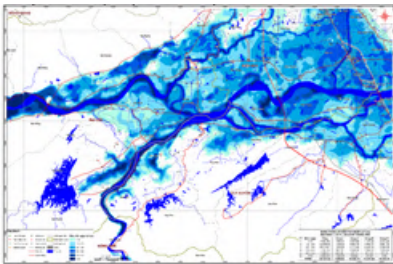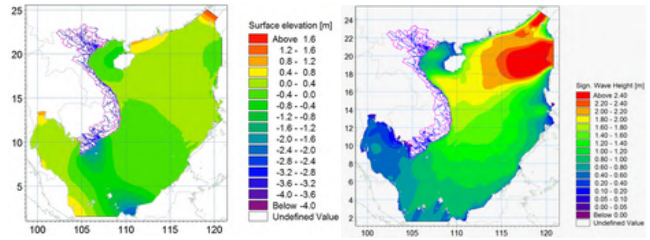分野/FIELD：水工学/ HYDRAULIC ENGINEERING

水文シミュレーション/ HYDROLOGICAL SIMULATION

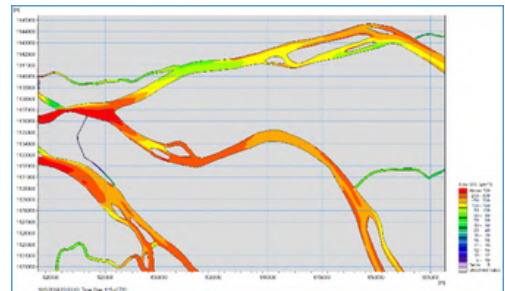PROJECT NAME: UNPUBLISHED PROJECT

流体・波シミュレーション/ HYDRODYNAMIC・WAVE SIMULATION

PROJECT NAME: WATER LEVEL OF THE WHOLE EAST SEA/ベトナム東海全体の水位

洪水氾濫解析、ハザードマップ作成/ FLOOD SIMULATION, HAZARD MAPPING

PROJECT NAME: UNPUBLISHED PROJECT

河川における流量解析、土砂移動解析/ RIVER MORPHOLOGY SIMULATION

PROJECT NAME: CALCULATION OF THE SPREAD OF MUD AND SAND IN THE FLOOD SEASON IN THE MEKONG DELTA/ メコンデルタの洪水期における泥砂の広がりの計算
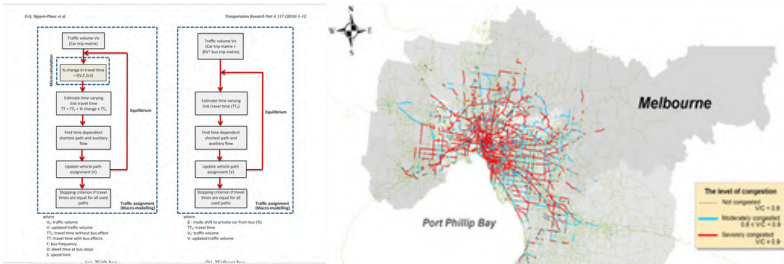
LEADER: NGUYEN PHUOC QUY DUY

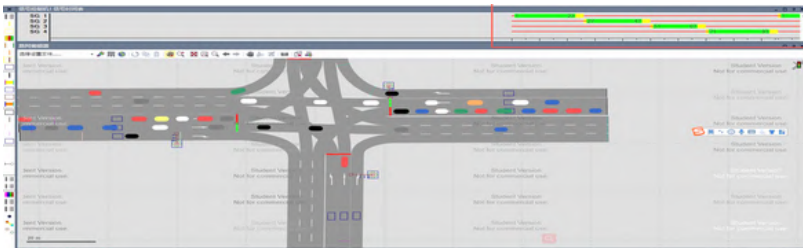資格/QUALIFICATION：博士工学/DR. ENG.（MONASH UNIVERSITY, AUSTRALIA）

分野/FIELD：交通計画 / TRANSPORTATION

交通シミュレーションと最適化/
TRAFFIC SIMULATION AND OTIMIZATION

SOFTWARE: CUBE, VISUM.

PROJECT NAME: EXPLORING THE IMPACT OF PUBLIC TRANSPORT STRIKE ON TRAVEL BEHAVIOUR AND TRAFFIC CONGESTION

SOFTWARE: VISSIM

PROJECT NAME: MODELLING THE NET TRAFFIC CONGESTION IMPACT OF BUS OPERATIONS IN MELBOURNE

マルチスケールの統合エージェントベースのシミュレーション プラットフォーム/
A MULTI-SCALE INTEGRATED AGENT-BASED SIMULATION PLATFORM

PROJECT NAME: STUDYING AUTONOMOUS VEHICLES POLICIES WITH URBAN PLANNING OF TOA PAYOH IN SINGAPORE, CONDUCTED BY SINGAPORE – MIT ALLIANCE FOR RESEARCH AND TECHNOLOGY (SMART), SINGAPORE

ベトナム関係プロジェクトへの現地支援
LOCAL SUPPORT FOR VIETNAM-BASED PROJECTS

①.現地資料収集・整理 (COLLECTING AND SUMMARIZING NECESSARY LOCAL DATA AND INFORMATION NECESSARY FOR PROJECTS)

②.現地調査（SUPPORT FOR SITE VISIT, SITE INVESTIGATION）

③.現地計測、測量等（ALL TYPES OF SURVEY, MONITORING）

④.QGISデータ取り組み/QGIS DOCUMENTATION

⑤.現地政府機関、関連機関等とのコーディネート、アポ取り業務（COORDINATING WITH LOCAL GOVERNMENTAL ORGANIZATIONS, ETC）

⑥.技術レポート作成・翻訳（越・日・英）（PREPARING AND TRANSLATING TECHNICAL REPORTS IN 3 LANGUAGES VIETNAMESE, JAPANESE, ENGLISH）

⑦.現地業務調整（LOCAL PROJECT COORDINATION/OPERATION）

ソリューション開発
CIVIL SOLUTIONS DEVELOPMENT

研究開発経験の豊富な人材力をベースに、共同で新技術開発プロジェクトを常に歓迎します。私たちは構造、建設材料、防災、リスクアセスメント、交通計画等の幅広い分野で対応することは可能です。気軽のご相談からスタートしましょう。

WE ALWAYS WELCOME JOINT NEW TECHNOLOGY DEVELOPMENT PROJECTS BASED ON OUR EXPERIENCED R&D PERSONNEL. WE CAN HANDLE A WIDE RANGE OF FIELDS SUCH AS STRUCTURES, CONSTRUCTION MATERIALS, DISASTER PREVENTION, RISK ASSESSMENT, AND TRANSPORTATION PLANNING. LET'S START WITH A CASUAL CONSULTATION.

AIソリューション
AI SOLUTIONS

①.鋼構造およびコンクリート構造のひび割れ検知に関する深層学習 (CRACK DETECTION IN STEEL AND CONCRETE STRUCTURES USING DEEP LEARNING)

②.RC構造物の破壊モード予測（FAILURE MODE LEARNING CLASSIFIER OF CONCRETE STRUCTURES）

③.構造物リスクアセスメント法に基づく機械学習（MACHINE LEARNING-BASED SEISMIC RISK ASSESSMENT OF STRUCTURES）

④.コンクリート構造の耐震補強の最適設計に関する機械学習 (MACHINE LEARNING-BASED SEISMIC STRENGTHENING OPTIMAL DESIGN OF CONCRETE STRUCTURES USING EXTERNAL JACKETS)

⑤.地盤工学分野への機械学習技術の適用（APPLICATION OF MACHINE LEARNING TECHNIQUES IN VARIOUS PROBLEMS OF GEOTECHNICS）

⑥.構造ヘルスモニタリングに関するAIソリューション（AI SOLUTIONS IN STRUCTURAL HEALTH MONITORING）

お問い合わせ/CONTACT

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