



CHEUNG Lok On, Rocky

Director

Rocky has over 20 years' experience of major civil and structural engineering projects. He is experienced in building development and infrastructure projects. Rocky was responsible for managing the leading design consultants to design 5 new FSD facilities and a HKPF operational base at Hong Kong International Airport new reclamation area to facilitate future 3RS. He also involved in Happy Valley Jockey Club clubhouse extension works. I was responsible for managing the sub-contractor on site planning and progress for the construction works for 13 floors main building. His railway experience includes: Design Liaison Representative for SCL Contract 1112 Hung Hom Station A&A works and WIL Sai Yin Pun station and HK University station.

Key Information

Core skills

- Civil and Structural Engineering
- Project Management

Education & Qualification

- MSc of Civil Engineering, The Hong Kong Polytechnic University, 2013
- Bachelor of Civil Engineering, The Hong Kong Polytechnic University, 2010
- Higher Diploma in Civil Engineering, The Hong Kong Polytechnic University, 2005

Professional Membership

- NECREG NEC4: Project Manager 2025
- RI, Registered Inspector, 2025
- RSE, Registered Structural Engineer, 2020
- RPE Registered Professional Engineer (Civil & Structural, 2016 & 2018)
- MHKIE, Member of Hong Kong Institution of Engineers (Structure & Civil, 2013 & 2014)
- Chartered Engineer, 2013
- MICE, Member of Institution of Civil Engineers, 2013

Years of experience

- 20 years

PROJECT EXPERIENCE

Shek Tong Tsui Sports Centre, Leisure & Cultural Services Department, 2024

Design Indoor Children Play Equipment and Ancillary Facilities for the Children's Play Room

Ap Lei Chau Sports Centre, Hong Kong, Leisure & Cultural Services Department, 2024

Design Indoor Children Play Equipment and Ancillary Facilities for the Children's Play Room

Kids Kiss Kingdom, North Point, 2022

Design the Indoor Playroom facilities and endorse the design

Choi Fook Estate, Phase 3, Kowloon, Hong Kong Housing Authority, 2021

Design the Indoor Playroom facilities and endorse the design

Luen Wo Hui Sports Centre, Leisure & Cultural Services Department, 2020

Design the Indoor Playroom facilities and endorse the design

Yuen Long Sports Centre, Leisure & Cultural Services Department, 2019

Design the Indoor Playroom facilities and endorse the design

Hong Kong Disneyland, Staff Carpark Steel Cover

Design the steel frame to support the solar panel with raft footing of the staff carpark.

Hong Kong Disneyland, Castle Window

Design of the new castle window frame as the Contractor Designer

Education Bureau – Design Consultancy for Barrier Free Access Contract – AIS – Technical Director

Design 50 school's barrier free access structural A&A works. St. Stephen's Girls' College A&A works are under AMO office and deal with AMO office and design, protect and retained the existing historical building

Enhancement of Facilities cum Medical Campus Development (Phase 2) on 3/F-6/F William M.W. Mong Block at No. 21 Sassoon

As the RSE of the project for the A&A works of staircase upgrading works.

SS H502 – Design & Construction of Joint-user Government Office Building in Tseung Kwan O, Hong Kong (2021–2023) - HK\$250 Million

As Independent Design Checker for the Main (General) Contractor to Checking and validating the building façade systems > 18 storey for the ASD (Architectural Services Department of Hong Kong Government) project I checked the drawings, materials, and ensured compliance with design requirements and imposed loads

Construction of Kowloon East Regional Headquarters and Operational Base cum Ngau Tau Kok Divisional Police Station at 105 Concorde Road, Kai Tak, Kowloon, HK (2017–2018) HK\$200 Million

As Independent Design Checker for the curtain wall contractor and checking and validating the curtain wall design >18 storey and construction for the façade contractor.

Construction of Trade & Industry Tower in Kai Tak, HK (2012–2014) (Consultant for the main contractor – Dragages) (HK\$250 Million)

As an Independent Design Checker on behalf of the Main (General) Contractor for all the curtain walls >18 storey and other building façade systems for this ASD (Architectural Services Department of Hong Kong Government) project. I had checked, commented and approved all the design drawings and the materials adopted for all the façade systems.

ASD-SSM503-Design and Construction of Joint-User Complex at Site G2, Anderson Road, Hong Kong (2024-2026) (approximately 100 Mil HK\$):

As the Façade Consultant, on behalf of the client, check/coment on all the curtain walls and other building façade systems for this ASD (Architectural Services Department of Hong Kong Government) project. Dr. Wilson ZHOU and his capable team checks, comments and approves all the design drawings and the materials adopted for all the façade systems.

SSK504-Construction of DOS, Sports Centre cum Public Vehicle Park at Sze Mei Street, Hong Kong (2023-2025) (approximately 60 Mil HK\$):

As the Façade Consultant, on behalf of the client, check/coment on all the curtain walls and other building façade systems for this ASD (Architectural Services Department of Hong Kong Government) project. Dr. Wilson ZHOU and his capable team had checks, comments and approves all the design drawings and the materials adopted for all the façade systems.

SSJ501-Construction of Hospital Authority Supporting Services Centre in North Lantau Island, HK (2021-2023) (approximately 200 Mil HK\$):

As the Façade Consultant, on behalf of the client, checked/comented on all the curtain walls and other building façade systems for this ASD (Architectural Services Department of Hong Kong Government) project. Dr. Wilson ZHOU and his capable team had checked, commented and approved all the design drawings and the materials adopted for all the façade systems.

East Hotel, 29 Tai Koo Road, Taikoo Shing, Hong Kong

Design Checking and review including on site external inspection on Curtain Wall, Stone Claddings, Glass walls, Glass Claddings, Louver

Enhancement Work for entrance of Jockey Club auditorium and adjacent area, The Hong Kong Polytechnic University

Design and Calculation of Grille, Cladding, Steel Frame for the enhancement works

Main Pumping Stations 1 and 2, Ngong Shung Road, Stonecutters Island, Hong Kong

External Inspection and Investigation on Glass Failure on the Curtain Wall System

Re-development of Block D at 123 Tung Lo Wan Road, Tai Hang, Hong Kong

Structural Design of Window wall for 3 story building

LP12 Gammon - Private development of temporary works

ICE for review the design and site construction of temporary works

Chi Cheung - queens Hill site formation - ICE in RSE and RGE

ICE for review the design and site construction of temporary works in site formation, ELS, formworks, lifting and temporary platform.

Gammon Ho Man Tin Phase 2 - temporary works ICE

ICE for review the design and site construction of temporary works in site formation, ELS, formworks, lifting and temporary platform.

China State - yuen long barrage ICE

ICE for review the design and site construction of temporary works in site formation, ELS, formworks, lifting and temporary platform

Proposed development at 3,5,7 of St Francis Street (Jan 23 to current)

ELS design for 3 semi basement and preparation of the BD submission as RSE. Raft Foundation and mini tension piles design for 20 storey height building and preparation of the BD submission as RSE

Proposed Transitional House at Tsat Sing Kong (Jan 23 – Dec 23)

ELS system design for foundation construction with maximum 2.5m depth and above existing XRL tunnel and preparation of BD submission

Fanling Cultural Centre ELS design (Sep 23 to Current)

Alternative ELS system design for basement construction with maximum excavation of 170mx120mx11m depth using sheet piles with struts system and preparation of the BD submissions.

Proposed Industrial Redevelopment At N.K.I.L. 3516 Section A Subsection 1, At No.750 Cheung Sha Wan Road, Kowloon Hong Kong (Aug 23 to Dec 23)

Alternative ELS system design for basement construction with maximum excavation of 15.2mx32.9mx11m depth using sheet piles with struts system and preparation of the BD submissions.

Proposed External Communication Station at Chung Hom Kok

ELS and site formation design for 1 semi basement using sheet pipe and pipe pile with inclined struts system and preparation of the BD submission as RSE

Proposed CMI Data Center at Tsung Tau Ha Road, Fo Tan, Shatin (Dec 23 to Current)

Alternative ELS amendment for basement construction with maximum excavation of 105mx83mx20.4m depth using pipe pile wall with struts systems and preparation of the BD submission. Raft foundation design for 3 storey building as RSE.

Proposed Subsidized Sale Flats Development at Anderson Road Site R2-2 (Sep 2023 to Feb 2024)

Responsible to manage the team for designing alternative ELS, fence wall and guard house design for the development.

City U- External Façade Accident Claims Assessment and Legal Support

I investigated a cladding failure during a typhoon, analyzing design, installation, and wind load compliance to identify root causes. I supported the contractor's legal defence by preparing technical statements and coordinating with legal counsel. Through mediation, I helped resolve the dispute by presenting engineering evidence and facilitating constructive dialogue with the client.

A&A works for School Lift Design for Barrier Free Access – Superstructure, foundation and ELS design for the additional lifts (Jan 2022 to Aug 2022)

Responsible to manage the team for designing of the Superstructure, foundation and ELS design for the additional lifts for BD submission. (Kings Colleagues, CCC Heep Woo, Li Sing Tai Hang, Po Kok and Yau Ma Tai Primary School).

Smart Carparking System at Tsuen Wan – RSE (Jan 2021 to Dec 2021)

Responsible for design of steel structure and concrete footing for the car parking system. I also responsible for site supervision and coordination on site for the construction.

Intermodal Transfer Terminal (ITT) Building – Basement Wall Alternative Design (Nov 2021 to Jul 2022)

Responsible to manage the team for designing of permanent portal design for the existing basement bearing wall.

Contractor Design of Yuen Long Data Centre Gas Building, Fence Wall and Guard House Design (Apr 2021 to Jul 2022)

Responsible to manage the team for designing of permanent buildings design for BD submissions.

Contractor Design of the Tai Wai Hoarding Amendment to facilitate demolition works of the building (Dec 2021 to Jul 2022)

Responsible to manage the team for designing of Tai Wai Hoarding and Temporary Fence Barrie for BD submission.

Superstructure and foundation Design of Tempo at Luk YY Chinese Tempo Design at Kowloon Tong (Dec 2021 to May 2022)

Responsible to manage the team for designing of the 2-storey height, 3 individual blocks Chinese style tempo with raft foundation for BD submission.

Elagin Street Hoarding & Demolition Works (April 2022 to Sep 2022)

Responsible to manage the team for designing of hoarding for existing building demolition and foundation construction for BD submission.

Man On Street Hoarding & Demolition Works (April 2022 to Sep 2022)

Responsible to manage the team for designing of hoarding for existing building demolition and for BD submission.

Design Consultancy Services – Temporary Steel Deck and ELS, design and build of shuttle lift foundation, Ho Man Tin Development Phase 1 and 2 (Dec 2021 to Jul 2022)

Responsible to manage the team for designing the temporary steel deck and ELS works, shuttle lift foundation design for BD submission.

Airport Authority Hong Kong (AAHK) – Senior Project Engineer / Project Engineer (Nov 2017 – Sep 2021)

AAHK Contract 3147 Fire Services Facilities (36 Months) - C3156 New Airport Police Operational Base (20 Months) – Architecture Services Department (ArchSD)

Responsible for managing the leading design consultant to design 5 Fire Services Facilities and 1 New Airport Police Operational Base at Hong Kong Airport new reclamation area under ArchSD entrustment project. I responsible for planning the statutory submission schedules with the consultant, such as Building Department (BD), ArchSD and Water Services Department etc., based on the design and construction programme. Responsible to coordinate with various government departments, Fire Services Department, ArchSD and HKPF etc., in ascertaining their requirements for incorporation into the design and construction drawings. I also responsible to review the consultant design to ensure the all the design requirements compliance the Building Ordinance, Building Department and ArchSD requirements and specifications. I am proactively to communicate with user departments to liaise and negotiate the design based on the statutory requirements. I also responsible for tender assessment and provide technical comments on the tenderers.

I led claims and dispute resolution efforts for fire station projects, addressing geological anomalies and construction defects through technical analysis and strategic negotiation. I reviewed contractor variations across multiple packages, ensuring contractual compliance and minimizing cost and schedule impacts. My work supported litigation and arbitration by aligning engineering facts with legal strategy and preparing robust documentation.

AAHK Construction Works Contract 3303 – Design Consultancy 3147 Fire Services Facilities (3 Months)

Responsible to support the site team and review the consultant to respond site queries based on the cost, programme, design assumptions and statutory requirements. Responsible for managing the Consultant plan to carry out BD submission to facilitate site progress.

Hong Kong Jockey Club – Happy Valley Clubhouse Extension Additions and Alteration – Project Engineer (Sep - Oct 2017)

Responsible for managing and planning of construction works for a 13 floors main building, 3 floors link building site formation and steel A&A works for MOE, piling works and ELS work, slope upgrading works including soil nail, soil replacement and retaining wall under BO. I also responsible for preparing the BD submission for the temporary works including ELS. I also responsible for preparing method statement, material submission for the site works. Coordinate with Building Engineer, Building Services and Arch team and liaise with Designer to resolve site and design difficulties.

Shatin Central Link – Consultancy Agreement C1112 – Construction Stage – Engineer (Jan 2015 to Sep 2017)

Responsible for managing the construction stage on site project. Responsible for managing the design issues on site, respond site query and coordinate with MTR Design and Construction Teams for the Hung Hom Station including building superstructure, foundation, ELS, underpinning works, Hung Hom Station Podium modification works, Cheong Wan Road Bridge. Also, responsible for respond site query on civil works such as construction works of drainage, road works, bridge and landscape work at Hung Hom Stations.

I assessed construction claims related to reinforcement and Earth-Lateral Support, identifying delays caused by design changes and sequencing issues. I prepared variation valuations and supported dispute resolution through strategic advice and technical documentation. My work helped

secure cost recovery and mitigate risks across the project lifecycle.

West Island Line – Consultancy Agreement C703 – Works Contract 704 – Construction Stage – Engineer (Jul 2014 to Dec 2014)

Responsible for design issues on site and coordinate with MTR Design and Construction Teams for the Hong Kong University Station including chiller plant building, entrances, and ventilation Shafts. Also responsible for civil works such as construction works of drainage, road works, bridge and landscape work at Hong Kong University and Sai Ying Pun Stations.

I assessed construction claims related to reinforcement and Earth-Lateral Support, identifying delays caused by design changes and sequencing issues. I prepared variation valuations and supported dispute resolution through strategic advice and technical documentation. My work helped secure cost recovery and mitigate risks across the project lifecycle.

T3 and T4 of Larvotto Minor Construction Works – T3 and T4 (Jul 2014 to Dec 2014)

Responsible for site supervision for the canopy upgrading works including safety and construction processes. Check the necessary items compliance with Buildings Department requirements such as safety and construction methods.

West Island Line – Consultancy Agreement C703 – Works Contract 704 – Final Amendment for BD Submission – Engineer (Apr 2014 to Jun 2014)

Responsible for design the University Station Chiller Plant Building and Ventilation Shaft which including designs calculation, prepare drawings or coordination with the Contractor and MTR for the construction.

Independent Checking Engineer for the CEDD Contract – CV/2007/03 – Development At Anderson Road – Engineer (Mar 2014 to Jun 2014)

Responsible for checking and provide comments the Contractor temporary works submission which including ELS, temporary working platform, retaining wall design checking.

Independent Checking Engineer for the MTR Construction Contract – SCL1129 – Advance Works for NSL – Engineer (Mar 2014 to Jun 2014)

Responsible for checking and provide comments the Contractor temporary works submission which including ELS, temporary platform design checking.

T3 of Tai Koo Shing City Plaza Grouting Works – Engineer (Mar 2014)

Responsible for site supervision of ground improvement works which including grouting works, core drilling and site tests. And also carry out daily instrumentation monitoring such as ground settlement and ground water level.

HyD Contract No. CV/2012/08 Liantang/Heung Yuen Wai Boundary Control Point site formation and infrastructure Works Contract 2 – Engineer (Feb 2014 to Mar 2014)

Responsible for Contractor Design for carrying out Construction Impact Assessment. Also, responsible for the building construction and site formation ELS design.

HyD Contract No. HY/2010/08 Central – Wan Chai Bypass Tunnel TS3 Section – Engineer (Dec 2013 to Jan 2014)

Responsible for Contractor Design for the ELS scheme of a cut-and-cover 700m long Mainline Tunnel and 150m long Slip Road 8.

MTR Consultancy Agreement No. C1106 Shatin to Central Link – Construction Stage for Hung Hom Station, South Approach Tunnel & Related work – Engineer (Dec 2013 to Apr 2014)

Responsible for Contractor's Request for Information of a 500m long East

West Line and North South Line tunnel structure which is a combination of cut and cover tunnel and Ventilation building to connect existing West Rail Tunnel to the southern end of Hung Hom Station; Also responsible for the 9 cars to 10 cars detailed design.

HYD Contract No. HY/2010/08 Central – Wan Chai Bypass Tunnel TS3 Section – Assistant Engineer (Nov 2013 to Nov 2013)

Responsible for Contractor Design for the ELS scheme of a cut-and-cover 700m long Mainline Tunnel and 150m long Slip Road 8.

DSD Contract No. DC/2008/08 Upgrading of Central and East Kowloon Sewerage Phase 1 - Assistant Resident Engineer (Jul 2012 to Oct 2013)

Responsible for site management, coordination, liaison with other parties; contract matters, cost control etc. To lay sewer pipes by open trench, and pipe jacking methods, manhole constructions, dry weather flow interceptor and water works in Kowloon East. Also carry out site supervision for ELS construction and trenchless pipe construction.

MTR Consultancy Agreement No. C1106 Shatin to Central Link - Detailed Design for Hung Hom Station, South Approach Tunnel & Related Work - Graduate Engineer (Jun 2011 to May 2012)

Responsible for scheme and detailed design of a 500m long East West Line and North South Line tunnel structure which is a combination of cut and cover tunnel and Ventilation building to connect existing West Rail Tunnel to the southern end of Hung Hom Station; Carry design of underpinning structure to support existing Hong Kong Coliseum and related strengthening work to facilitate the construction of tunnel underneath ;Cooperation with E&M engineers, architects, contractors and clients (MTRC) during detailed design stage especially for Ventilation Building and underpinning structure; Liaison with utilities undertaking for the diversion work or modification of utilities; preparation of Excavation and Lateral Support work design, foundation design, create structural framing, R.C. drawing and design report for BD submissions. Respond to BD and MTRC technical comment; Prepare tender drawing and construction details for tendering.

MTR Consultancy Agreement No. C1106 EAL Modification Works - Detailed Design for Hung Hom Station, South Approach Tunnel & Related Work - Graduate Engineer (Mar 2011 to May 2011)

Responsible for detailed design and BD submission of A&A works in 13 East Rail Link stations. Carry design of storage/plant rooms, hoarding design and barrier design by SAP2000. Cooperation with E&M engineers, architects and clients (MTRC) during details design stage especially for the storage/plant rooms, preparation of construction methodology, R.C. drawing, steel framing and connection design, construction program and design report for BD submissions. Respond to BD and MTRC technical comment; Prepare tender drawing and construction details for tendering.

Detailed Design for Express Rail Link West Kowloon Terminus North Contract XRL 810A - Contractor Designer - Graduate Engineer (Nov 2010 to May 2011 and Jun 2011 to Jul 2011)

Responsible for detailed temporary support design of an ELS system with 200m long, 150 width and 35m depth for Contractor tendering. The ELS system was used top-down and pseudo top- down method for the construction and analysis by computer software PLAXIS. Carry the detailed design and review the permanent structures as temporary lateral supports. Cooperate with Client (Gammon and Leighton JV) preparing the scheme design drawings and reports for the Client tendering. At last, the Client awarded the MTRC contract.

Central and Wan Chai Bypass Stage III Construction Methodology - Graduate Engineer (Sep 2010 to Nov 2010)

Mainly responsible for scheme design of the construction methodology to construct a subway under the sea for Contractor tendering. The tunnel was designed below 2m of the sea level and above existing MTR Tsuen Wan

Link. Cooperate with Client (Contractor) to prepare drawings for the construction scheme.

CLP Consultancy Agreement – Detailed Design for CLP Sub-Station in HK UST – Graduate Engineer (Oct 2010 to Dec 2010 & Jan 2011 to Dec 2011)

Responsible for details design the two levels CLP sub-station building in HKUST by adopting ETabs and SADS for structural design. Also including design socketed H-pile foundation. Prepare the reports for BD submission and drawings according to the design. I also responsible for site supervision for the construction work on site for the foundation and superstructure works.

Club Street Subway - MTR Central Station to Private Development - Graduate Engineer (Sep 2010 to Nov 2010)

Responsible for detailed design of the subway which connected the MTR Central station to private development. Carry structural design of horizontal pipe piles, subway structures and diaphragm wall breakthrough. Cooperate with client (Contractor) to design the temporary deck and prepare of structural drawing and report for BD submission.

Kwun Tong Line Extension - Shaft and Cofferdam Design for Disposal Excavation Material - Graduate Engineer (Sep 2010 to Oct 2010)

Responsible for ELS design of a 1 shaft and 2 cofferdams. The shaft and cofferdams were 15m deep and connected to drill & blast tunnel by horizontal tunnel in rock layer for disposal excavation material. Carry design of temporary works by computer software FREW and rock anchors. Prepare report and drawings for Contractor tendering.

HyD Contact No. 19/HY/2004 and 08/HY/2008 Highways Maintenance Contract - Works Supervisor II & Works Supervisor Assistant (Mar 2007 to Aug 2010)

Responsible for road maintenance works including footway and carriageway. Supervise construction works of footway pavement/concrete reconstruction, carriageway concrete/bituminous reconstruction, car park construction and steel work. Prepare works order for the construction and review the final payment. Cooperate with Contractor to prepare construction program and carry out safety management.

Landslip Preventive Measurement (LPM) - Engineering Assistant (Nov 2005 to Feb 2007)

Responsible for features study by site visit and desk study. Carry out option and stage III design, prepare drawings and reports for GEO LMP submissions.

Professional History

2020 – Present **Faith Construction Consultant Co., Ltd**
Director

2025 – Present **Buno Happold International (Hong Kong) Limited**
Registered Structural Engineer

2022 – 2025 **Asia Infrastructure Solutions Limited**
Technical Director

2017 – 2021 **Airport Authority Hong Kong**
Senior Project Engineer, Project Engineer

2017 **Hip Hing Engineering Co. Ltd**
Project Engineer

2010 – 2017 **Atkins China Ltd.**
Engineer, Assistant Engineer, Assistant Resident Engineer, Graduate Engineer

Professional History

2007 – 2010 **Highways Department**

Works Supervisory II, Works Supervisory Assistant

2005 – 2007 **CMW & Associate Ltd**

Engineering Assistant

