



March 2024

## **Eric Cheung**

*MEng (Hons) Civil Engineering, MStructE, CEng, RPE, NEC4 Accredited Project Manager*  
**Consultant**

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### **KEY EXPERIENCE**

Eric is a Chartered Structural Engineer with over 20 years' experience as a structural engineer, forensic structural engineer and claims engineer. His recent claims experience includes research and preparation of EoT claims for contractors and designers on major infrastructure and building projects. As a forensic engineer he has prepared independent reports for mediation, arbitration and court proceedings. Eric's early career was spent on major projects for leading design consultancies in the UK and Hong Kong. He has considerable experience designing large underground infrastructure projects for major rail projects, as well as for various buildings and industrial developments. He is an NEC4 Accredited Project Manager.

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### **CAREER SUMMARY**

#### **2019 to date – Consultant, Contract Dispute Consultants HK Ltd**

Eric assists clients on large scale infrastructure and building projects preparing technical and EoT claims. Eric is currently assisting a contractor in identifying and preparing an extension of time claim for the fabrication and erection of a steel roof for a major airport terminal. His previous assignments have included:

- Assisting a design build contractor on various design related issues on a district cooling system;
- Assisting a contractor to strengthen an extension of time claim for the construction of a luxury hotel;
- Assisting a design build contractor involved in the construction of an LRT project in Canada. His role involved research and preparation of claims for delay arising from design issues and support to the quantum team on cost data analysis;
- Preparing an EoT for a contractor on a columbarium project in Hong Kong including claims for pile testing and utility diversions;
- Preparing an EoT for a contractor on a residential urban renewal project in Hong Kong;
- Assisting on a commercial strategy review for an international joint venture constructing a large bridge and road project in North America; and
- Researching and drafting detailed delay and disruption claims for a contractor on the construction of the civil works for a gas turbine power plant in Hong Kong, including events impacting the box culvert discharge and installation of MEP services in the main turbine hall.

#### **2017 to 2019 – Associate Forensic Structural Engineer, Robert Jessep & Partners Ltd., Horsham, UK**

Eric was involved in investigating the causes of damage and defects in a large variety of structural and civils construction projects for the preparation of expert opinions for court proceedings, arbitrations and mediations. He reviewed complex structural failures arising from insurance claims and prepared reports covering technical issues and contractual liability for court cases, mediation and arbitration.

#### **2013 to 2016 – Associate Structural Engineer, BuroHappold International (HK), Hong Kong**

Eric was involved with the following projects:

- **SXRL West Kowloon Terminus, HK** – the Hong Kong section of the Guangzhou-Shenzhen-Hong Kong Express Rail Link (XRL) is a cross-boundary transport infrastructure project which will provide high speed rail services between Hong Kong, Guangzhou and Mainland China. Eric provided ongoing structural engineering site services for the iconic and highly complex long-span entrance hall roof structure.
- **Tai Shue Wan Waterpark, Ocean Park, HK** – a new 'world class' waterpark venue forming a key component of the ongoing master redevelopment plan at Ocean Park. The waterpark provides a multitude of water rides and pools along with dining facilities for an instantaneous capacity of up to 7,000 visitors. Eric was responsible for leading the design and delivery of the building's structure and foundations.



**March 2024**

- **Xiqu Centre, Chinese Opera House, HK** – a new, purpose-built Chinese opera house intended as an iconic landmark building for the West Kowloon Cultural District and Hong Kong. It houses an 1,100 seater main auditorium which is acoustically isolated and suspended from the roof level trusses over a public amphitheatre at ground level. Eric was responsible for the design and delivery of the complex building structure.

### **2011 to 2013 – Senior Structural Engineer, Ove Arup & Partners, Hong Kong**

Eric was involved with the following projects:

- **Police Officers' Club and South Ventilation Building, Shatin Central Link, HK** – this is a multi-function leisure complex that occupies a highly constrained site on the HK harbour front. It replaces the previous building to enable the construction of a new ventilation building and TBM launch shaft for the Shatin Central Link, which is predominately underground and partially supports the new club building. Eric was the lead structural engineer for scheme to detailed design of the Police Officers' Club building.
- **APM Tunnel Extension, HK International Airport, HK** – the project consists of almost 400m of partially submerged tunnel box and was all constructed whilst maintaining full airport operations. Eric was lead structural engineer for design and delivery of a cut-and-cover tunnel extension for the airport's driverless train system.
- **Thomson Line Package A, T3 Underground Station, Singapore** – the station was constructed using top-down techniques under a busy underground train station. The package of works also incorporated an 800m long cut-and-cover cross-over tunnel and two TBM launch shafts. Eric was lead structural engineer for the detailed design phase of the approximately 200m long underground train station.

### **2006 to 2010 – Senior Structural Engineer, Ove Arup & Partners, London, UK**

Eric was engaged on the following projects:

- **Bored Tunnel Contract - Crossrail, London, UK** – Eric was the structural engineer responsible for ensuring hundreds of buildings were adequately protected from tunnelling subsidence. This role included designing direct intervention works and detailed surveys of the many and varied buildings in central London.
- **Canary Wharf Station - Crossrail, London, UK** – as senior structural engineer, Eric focused on the complex structures at the east and west ends of this major infrastructure project. Additional duties include reviewing the structural design information of the station superstructure.
- **British High Commission, New Delhi, India** – Eric was lead structural engineer for three new gatehouses for the British High Commission. This also included the structural appraisal of the existing main office building to assess the feasibility of a major refurbishment.
- **Brinsbury Campus, Chichester College, UK** – Eric was lead structural engineer for this £30m teaching college. It comprised of 12 new and existing buildings which facilitate a large range of uses from a sports centre to an equine centre.
- **St Pancras Cambers, London, UK** – acting as project engineer on this landmark Grade I listed hotel and residential building, Eric was responsible for the extremely complex structural refurbishment works to create a new residential entrance and a new stair shaft.
- **Perse Upper School, Cambridge, UK** – Eric was lead structural engineer for this prestigious £7m school project, comprising of a new classroom block and a new sports hall extension.
- **Humanities Building, Queen Mary University of London, UK** – Eric acted as project manager and lead structural engineer for this £10m new-build education building with auditorium, drama/film studio, seminar rooms and offices. The building was vibration isolated from the two adjacent underground train lines.
- **Mound Stand Refurbishment, Lord's Cricket Ground, London, UK** – Eric was lead structural engineer for the design of a new liftshaft and strengthening works for additional catering hoists.
- **The Walbrook, London, UK** – Eric was project engineer for the superstructure of this 45,000m<sup>2</sup> speculative office development for Minerva in the City of London. He was also involved in developing the deep basement design to integrate with adjacent buildings.

### **2000 to 2005 – Structural Engineer, Ove Arup & Partners, Sheffield, UK**

Eric was engaged on the following projects:

- **IDI & CCT, University of Teesside, UK** – Eric was project engineer with responsibilities for designing and developing two landmark university buildings valued at £5m and £7m.



**March 2024**

- **Bluecoat School, Nottingham, UK** – Eric was responsible for delivering construction information on this £12m secondary and special needs school.
- **South Yorkshire Energy Centre, Sheffield, UK** – as project engineer, Eric was responsible for converting a 100 year old ex-bakery into a learning centre for promoting energy conservation.
- **Doncaster College, Doncaster, UK** – Eric was responsible for the design and delivery of the substructure for this £46m development to a very tight programme.
- **Sheffield City Hall, UK** – Eric acted as project engineer for the refurbishment of this landmark performing arts and conference venue in the heart of Sheffield. This involved creating dramatic new stairs and bridges in this Grade II listed building which are complimented by glass and steel structures externally. The building fabric was also adapted to suit regulations current at the time and the massively upgraded building services requirements.
- **Sutcliffe Play Factory, Upton, UK** – as structural engineer, Eric was responsible for producing the performance specification of this up-market industrial factory. He also went on to design and deliver the substructure elements for this project.
- **West One, Sheffield, UK** – Eric was the structural engineer responsible for delivering the basement and substructure for this £34m residential and retail complex.
- **Heron Quays 3, Canary Wharf, London** – Eric was the structural engineer responsible for designing the steel superstructure of this 35-storey office tower.

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## **ACADEMIC QUALIFICATIONS**

MEng 2:1 Hons Civil Engineering, University of Durham, County Durham, UK (1999)

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## **PROFESSIONAL QUALIFICATIONS**

Registered Professional Engineer, Engineers Registration Board, HK (2016)

Chartered Member of Institution of Structural Engineers, UK (2005)

Chartered Engineer, UK Engineering Council (2005)

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## **OTHERS**

NEC4 Project Manager Accreditation Course

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## **CONTACT DETAILS**

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