



CONSTRUCTION PROJECT RISK MANAGEMENT ASIA 2011

Main Conference: 28 & 29 April, 2011 • Workshops: 28 & 29 April, 2011

Venue: InterContinental Grand Stanford Hong Kong

Optimise Project Success by Minimising Threats and Maximising Opportunities: Identify, Respond and Control

Featured Industry Expert Speakers Include:

Ada Fung

Deputy Director of Housing

HONG KONG HOUSING AUTHORITY

T.C. Chew

Project Director

MTR CORPORATION LIMITED, HONG KONG

Greg Ramsay

Global Director, Risk and Consulting

HATCH ASSOCIATION

Stephen Lai

Managing Director, **RIDER LEVETT BUCKNALL**

Morgan Yang

Director of Operations, **AECOM HONG KONG**

Iain Wink

Risk & Opportunity Manager

GAMMON CONSTRUCTION

Tony McKee

Director, **BECA**

Simon Lau

Director, **SCOTT WILSON HONG KONG**

Which of These Challenges Most Relates to Your Projects?

- ◆ Schedule and budget overrun on projects?
- ◆ Deterioration of project partnerships?
- ◆ Lack of understanding of how to develop a structured and effective project risk management program?

This Could Be Your Best Opportunity Yet

Attend Construction Project Risk Management 2011 and Learn:

- ◆ Risk identification and quantification from various sources throughout different project stages
- ◆ Key relationship management strategies to implement multiple projects stakeholders: project owners, contractors, finance, public, etc
- ◆ Managing the change, balance quality, safety and financial risk in large scale project delivery

Special pricing for Government Authorities and Assets Owners. Call +65 6722 9489 or email enquiry@iqpc.com.sg for more details.

Upgrade your Registration with Workshops that will Provide You with:

A An international comparison of value management methodologies: What works best in Asia

B Effective and structured risk management programs for large scale infrastructure projects: How effective risk management can change the game

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CONSTRUCTION PROJECT RISK MANAGEMENT ASIA 2011

Dear Executive,

With the rise of the Asian economy, the government sector continues to award a high volume of project contracts across a variety of sectors. The increased complexity of these projects impact the planning and preparation of the projects, which directly relates to project execution and performance. Hence, IQPC Singapore is hosting our third annual **Construction Project Risk Management** conference in Hong Kong on 28 & 29 April 2011.

An effective risk management strategy addresses all risk that a project can be exposed to; enter **Construction Project Risk Management 2011** – a timely forum that will address effective risk management programs for large scale engineering and construction projects by:

- ◆ Ensuring sustainability through upfront contractual planning and project forecasting
- ◆ Developing a structured and effective risk management program for risk mitigation and optimisation
- ◆ Mitigating risk through proactive value management and efficient financial management

No matter what business you are in, risk is a vital component. Don't miss this opportunity to learn how to identify threats, which will help to improve your projects performance.

Make the cost effective decision to attend **Construction Project Risk Management 2011** and benefit from featured case studies by government authorities and leading engineering firms such as **Hong Kong Housing Authority, Hong Kong Civil Engineering and Development Department, AECOM, Hatch, Mott MacDonald, Hill International** and many more!

If you want to maximise your project's chance of success then listen and learn from our high-level expert speakers.

I am looking forward to welcoming you in Hong Kong in April, 2011.

Best regards,

Zoe, Zhang Dan
Conference Producer – Construction IQ Asia
IQPC Worldwide

P.S. Early bird discounts are available. Register before 11 February 2011 and save up to USD 800.

LIST OF OUR EXPERT SPEAKERS

Ada Fung
Deputy Director of Housing
HONG KONG HOUSING AUTHORITY

Edwin Tong
Technical AD
HONG KONG CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

T.C. Chew
Project Director
MTR CORPORATION LTD, HONG KONG

Mei-Yung Leung
Assistant Professor
CITY UNIVERSITY OF HONG KONG

Iain Wink
Risk Manager
GAMMON CONSTRUCTION

Tony McKee
Director
BECA

Morgan Yang
Director of Operations
AECOM

Adrian Archer
Associate Director
HILL INTERNATIONAL HONG KONG

Simon Lau
Director
SCOTT WILSON HONG KONG

Art Bonifacio
Principal Engineer
MOTT MACDONALD

Stephen Lai
Managing Director
RIDER LEVETT BUCKNALL

Avikal Abhay Kumar
Insurance & Risk Manager
WADE ADAMS

Vincent Ho, PhD
Chairman
HONG KONG ASSOCIATION OF RISK MANAGEMENT AND SAFETY

Greg Ramsay
Global Director,
Risk and Consulting
HATCH ASSOCIATES

“Many organizations do not have a well laid down process and have a lack of knowledge as well. Many doubts got clarified through this conference and we have adopted them to be more efficient.”

Sunil B Shinde
Senior Vice President
TATA REALTY & INFRASTRUCTURE LIMITED

“Very enlightening and heartening to know that there is concern on the important of risk management by various fields of professionals.”

Lim Cheong Guan
Senior Manager
YONGNAM ENGINEERING & CONSTRUCTION PTE LTD

“Enabled me to refine and improve our company's risk management processes thus providing value added success factors to any projects in the future. It makes us more aware of the importance of risk management especially in major capital projects.”

Kelly Te
Project Management Consultant
ADVANCED PROJECT SOLUTIONS



08.00 DAY ONE REGISTRATION & MORNING TEA AND COFFEE

09.00 Opening Address from Chairman

ENSURING SUSTAINABILITY THROUGH UPFRONT CONSTRUCTURAL PLANNING AND PROJECT FORECASTING

09.10 Selecting Contractors for the Effective Management of the Risk - A Procurement Experience of Hong Kong Housing Authority

CASE STUDY

- ◆ Discussing how the optimal procurement of contractors can minimise a project's risk
- ◆ Introducing best solutions implemented by the HKHA in the procurement of contractors
- ◆ Including risk management strategies in the preparation of tender documents and contractors

Ada Fung, Deputy Director of Housing
HONG KONG HOUSING AUTHORITY

09.50 Public Engagement in the Planning, Design and Construction Stages of Infrastructure Projects

- ◆ Understanding public aspiration and gauging public support
- ◆ Formulating the public engagement strategies
- ◆ Establishing effective communication channels to enable public participation throughout the project
- ◆ Case studies of public engagement in different stages of project implementation

Edwin Tong, Technical AD
HONG KONG CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

10.30 MORNING COFFEE & NETWORKING BREAK

11.00 A Decision Model to Manage Project Risks

- ◆ Reviewing decision making models and risk models that are most commonly used in Hong Kong infrastructure projects
- ◆ Discussing the advantages and disadvantages of popular risk assessment tools
- ◆ Introducing a risk based decision model to assess and manage project risks in terms of likelihood, severity and impact possibilities

Vincent Ho, PhD, Chairman
HONG KONG ASSOCIATION OF RISK MANAGEMENT AND SAFETY

11.40 Public Engagement for Construction Development Project

- ◆ Exploring key issues facing public engagement is required through project planning and feasibility study phase
- ◆ Understanding systematic value management process
- ◆ Identifying essential public engagement factors
- ◆ Developing logic value management model in public engagement to gain win-win situation

Dr. Mei-Yung Leung
Assistant Professor
CITY UNIVERSITY OF HONG KONG

12.20 LUNCH & NETWORKING BREAK

MITIGATING RISK THROUGH PROACTIVE VALUE MANAGEMENT AND EFFICIENT FINANCIAL MANAGEMENT

13.20 Integrating Thorough Risk Analysis into the Cost-Estimation Process Early in the Project Cycle to Reduce Unexpected Risks and Avoid Disputes

- ◆ Recognising the importance of mapping all risk contingencies during the planning stage of the construction cycle to avoid project delays

- ◆ Reaching informed decisions on project construction by prior risk analysis in order to effectively reduce unexpected costs
- ◆ Avoiding partnership disputes by defining which party is responsible for each risk at the start of the construction cycle

Greg Ramsay, Global Director, Risk and Consulting
HATCH ASSOCIATES

14.00 Considering a "Win-Win" Solution for all Construction Project Stakeholders

- ◆ Reviewing the traditional risk mitigation strategies: what works well while what doesn't
- ◆ Generating innovative risk mitigation alternatives for the constantly increased complexity in construction projects
- ◆ Changing the conservative perception of to maximise the profitability for all project stakeholders

Adrian Archer, Associate Director
HILL INTERNATIONAL

14.40 AFTERNOON TEA & NETWORKING BREAK

15.10 Overview of a Process for Developing the Procurement Strategy

- ◆ Verifying the need for a project from the client's value proposition
- ◆ Assessing available options and developing effective procurement strategies
- ◆ Selecting project team base on the quality of their reputation, track record and capacity
- ◆ Keeping the client informed and set up an appropriate funding framework to ensure payments can be made on time

Stephen Lai
Managing Director
RIDER LEVETT BUCKNALL

15.50 Capital Productivity and Project Stakeholders Management for Large Scale Complex Construction Projects

- ◆ Understanding the importance of stakeholders' involvement in managing the risk
- ◆ How to effectively manage project governance framework and project timeline?
- ◆ How to effectively register risk through different project stages?
- ◆ Value maximisation – how to build capital risk profiles and the use of these profiles to drive value improvement?

PANELLISTS:

Ada Fung
Deputy Director of Housing
HONG KONG HOUSING AUTHORITY

Vincent Ho, PhD, Chairman
HONG KONG ASSOCIATION OF RISK MANAGEMENT AND SAFETY

Dr. Mei-Yung Leung
Assistant Professor
CITY UNIVERSITY OF HONG KONG

Greg Ramsay
Global Director, Risk and Consulting
HATCH ASSOCIATES

Stephen Lai
Managing Director
RIDER LEVETT BUCKNALL

16.30 Chair's Summary and Q&A

END OF CONFERENCE DAY ONE

17.00 Commence Workshop A - see page 5 for more information



08.30 DAY TWO REGISTRATION & MORNING TEA AND COFFEE

09.00 Opening Address from Chairman

DEVELOPING A STRUCTURED AND EFFECTIVE RISK MANAGEMENT PROGRAM FOR RISK MITIGATION AND OPTIMISATION

09.10 Selecting a Delivery Model for Large Scale Infrastructure Project

- ◆ Discussing the potential merits and downfalls for various project models
- ◆ Understanding the risk profiles for each project model
- ◆ Analysing how different procurement and delivery models can impact on project success

T.C. Chew

Project Director

MTR CORPORATION LTD, HONG KONG

09.50 Risk Management Protocol Selected to Facilitate Efficient Project Execution

- ◆ Recognising the importance of risk mapping to select appropriate techniques for response
- ◆ Identifying the role of leaders in managing and coordinating risk and opportunity oversight
- ◆ Effective monitoring risk throughout the construction cycle to reduce unexpected cost

Iain Wink

Risk & Opportunity Manager

GAMMON CONSTRUCTION

10.30 MORNING TEA & NETWORKING BREAK

11.00 Overcoming Risks in the Design and Construction of the Marina Bay Sands Skypark, Singapore

- ◆ Marina Bay Sands: General risk management approach – risk register, MCG, contractor method statements and lifting plans, method statement presentations, peer review of temporary works design
- ◆ Skypark overview of the main project risks: Unique design solutions, constructability to suit programme, interface
- ◆ Challenges in implementation: Heavy lifting sliding, cantilever segments, access platform movement, pool underwater MJ – trial mock up, working at height

Tony Mckee

Director

BECA

11.40 Outlining the Consequences of Price Volatility Amongst Key Inputs on Project – Profitability and Individual Project Partners

- ◆ Evaluating the impact of price fluctuations on partnership arrangements
- ◆ Equipping projects parties to identify and understand the materials price risk they are facing
- ◆ Instituting programs using the tools available to effectively manage price risk

Art Bonifacio

Principal Engineer

MOTT MACDONALD

12.20 LUNCH & NETWORKING BREAK

13.20 Systematic Risk Management in Public Works Projects – Sea/River Crossing Tunnel Projects in China

- ◆ Exploring the continual innovation in construction and engineering project risk management of all sizes

CASE STUDY

- ◆ Revitalising environmental, health and safety management for construction projects in public sector
- ◆ Comprising a risk identification, analysis, evaluation and treatment process

Morgan Yang

Director of Operations

AECOM

14.00 Managing International Suppliers and Subcontractors

- ◆ Evaluating client's priorities and expectations to select ideal suppliers and subcontractors
- ◆ Exploring the effective management tools as main contractor to deliver guaranteed project quality
- ◆ Working closely with suppliers and subcontractors to strengthen design, project planning and cost deduction

Simon Lau

Director of Management Services

SCOTT WILSON HONG KONG

14.40 AFTERNOON TEA & NETWORKING BREAK

15.10 Identifying the Real Risk and Working with Complexity for Large Scale International Construction Projects

- ◆ Empowering the communication between different project stakeholders
- ◆ Identifying key features and characteristic
- ◆ Comparing the advantage and disadvantage
- ◆ Outlining Key risk and mitigation strategies for mega international projects

Avikal Abhay Kumar

Insurance & Risk Manager

WADE ADAMS

15.50 INTERACTIVE PANEL DISCUSSION:

Deal With Changes - Construction and Contractual Risk in New Construction Projects

- ◆ Looking forward what will be the new major risk exposures for construction projects and possible prevention
- ◆ Exploring how to maximising the usefulness of contract to ensure issues during construction are handled correctly
- ◆ Discussing the best way to keep risk records, when and how?

PANELLISTS:

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Risk & Opportunity Manager

GAMMON CONSTRUCTION

Tony Mckee

Director

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Principal Engineer

MOTT MACDONALD

Simon Lau

Director of Management Services

SCOTT WILSON HONG KONG

Morgan Yang

Director of Operations

AECOM

Avikal Abhay Kumar

Insurance & Risk Manager

WADE ADAMS

16.30 Chair's Summary and Q&A

END OF CONFERENCE

17.00 Commence Workshop B - see page 5 for more information

CASE STUDY

INTERACTIVE PANEL DISCUSSION

CASE STUDY



WORKSHOP A: 1700 - 2000 Thursday, 28 April 2011

*Supper will be provided during the break

An International Comparison of Value Management Methodologies: What Works the Best in ASIA

Rationale:

Value management is a multidisciplinary team approach with a structured and analytical process for obtaining the best value from a project. However, it can be difficult for a value management team to obtain a consensus in the project team about the value management for particular projects, especially when there are different expectations from different project stakeholders. A survey study has been conducted by Ms. Leung internationally, covering Australia, the United States, Europe, and Hong Kong. In this workshop we will explore her research results of Dr. Leung in how different countries handle both "hard" project problems and "soft" management issues.

The workshop will:

- ◆ Explore the key reasons for applying value management for different project stakeholders
- ◆ Investigate the essential aspects for conducting a effective value management in large scale infrastructure projects
- ◆ Compare the survey result has been collected from different countries and learn from the best
- ◆ Discuss among the group what works well in Asia and why

About your facilitator:

Dr. Mei-Yung Leung
Assistant Professor
CITY UNIVERSITY OF HONG KONG

Dr. Leung has more than fifteen years of practical/teaching experience in the construction industry/education and has participated in a number of prestigious construction projects in Hong Kong. Dr. Leung is a Chartered Quantity Surveyor in the RICS in the UK and the HKIS in HK and a Chartered Builder in the CIOB in the UK and AIB in Australia. Dr. Leung is also a Qualified facilitator of the SAVE International 'The Value Society' in USA and the HKIVM (List A) for facilitating governmental 'VM workshop' in the industry internationally. Her current interesting researches cover construction project management, value management, facility management and cost estimation.

WORKSHOP B : 1700 - 2000 Friday, 29 April 2011

*Supper will be provided during the break

Effective and Structured Risk Management Programs for Large Scale Infrastructure Projects: How Effective Risk Management can Change the Game

Rationale:

No matter what business you are in, risk mitigation is a vital component. Owners, engineers, contractors and operators of major facilities that provide essential services, must evaluate whether their risk strategies minimise uncertainties and maximise opportunities. In this workshop you will learn how to construct an effective structured risk management program for large scale infrastructure projects by studying several major projects that Mr. Ramsay has complete. Learn from their success as well as mistakes.

The workshop will:

- ◆ Look at major risk identification and evaluation in the planning stage of the project: what level of risk will our business and stakeholders tolerate? What consequences are?
- ◆ Explore risk based decision making: the key to successful projects
- ◆ Identify the gap and understand how to response to variability, ambiguity, complexity
- ◆ Learn to integrate technical risk into the overall process and how to make effective risk registration through different project stages
- ◆ Study how to optimize your risk treatment: what will we do and when will we do it?

About your facilitator:

Greg Ramsay
Assistant Professor
HATCH ASSOCIATES

As the risk management leader within Hatch, Greg has led the development of the risk management policy, project risk management processes and standards associated with strategic, due diligence, financial and business risk analysis, project risk assessments, integrated quantitative schedule capital analysis, risk based decision making, technical risk studies, natural disaster risk studies and plans and project value analysis. He has also assisted major clients to develop their risk management systems and specific guidelines. His experience covers assignments across a range of industries including resource, mining, industrial, and energy, infrastructure sectors project management, value management, facility management and cost estimation.

Who Will You Meet?

Construction Project Risk Management 2011 will host local and international, Directors, Managers and Engineers responsible for:

- ◆ Project Planning
- ◆ Project Risk Management
- ◆ Enterprise Risk Management
- ◆ Contracts
- ◆ Operations

Where will our delegates come from:

- ◆ Government agencies
- ◆ Engineering companies
- ◆ Construction companies
- ◆ Property developers
- ◆ Contractors

Interested in Sponsorship and Exhibition Opportunities?

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- ◆ Preferential access to senior executives in your target market
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- ◆ Establishing strong relationships and making proposals to potential customers
- ◆ Achieving a high profile association with a key industry event
- ◆ Demonstrating your expertise and product excellence

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