



Practice Area: Building & Construction
Training Level: General
Public CPD Points: 1.5



WEBINAR

Project Success or Failure – What Complexity Theory Can Tell Us About Risk in Construction

Wednesday, 20 April 2022, 5.00 – 6.30pm (Singapore time, GMT+8)

About this Webinar

What if our perceptions around how risks eventuate on major construction projects is inconsistent with how projects fail in practice? And what if the way we currently separate risk, in terms of legal risk, commercial risk and technical risk, is an artificial divide that has the potential to increase our risk exposure, rather than decrease it?

This presentation asks how the world of complex systems thinking can provide us with a different perspective on how we set up, deliver, and manage risk on construction projects.

We examine:

- how past failures occurred precisely because a complex systems approach wasn't considered
- how real-world systems defy our attempts to control them, and
- how our understanding of apparently unrelated phenomena, like the reasons why birds flock, can inform us about how to run better construction projects.

Adopting a complex systems thinking approach is not simply a new tool for those involved in the industry, it's an altogether different model for understanding the world.

Webinar Programme

Webinar participants will be able to watch and listen to (via computer audio, recommended for security reasons, or telephone line) the video presentation and Q&A discussion on their screens, as well as participate in the Q&A discussion by sending in their questions to the moderator via text using the built-in Q&A function.

5.00 - 5.05pm	Opening Remarks by Chairperson <i>Mr. Toh Chen Han – Partner, Pinsent Masons MPillay LLP; Immediate Past Chairman, Society of Construction Law (Singapore)</i>
5.05 - 6.10pm	Project Success or Failure – What Complexity Theory Can Tell Us About Risk in Construction <i>Dr. Sean Brady – Managing Director, Brady Heywood</i>
6.10 – 6.30pm	Q&A Moderated by Chairperson

About the Speaker

Dr. Sean Brady – Managing Director, Brady Heywood



Dr Sean Brady is forensic engineer that has acted as an expert witness on numerous occasions, and he is the managing director of Brady Heywood, a firm that works with business, government and the legal sector to understand and resolve complex issues that typically require a whole of system approach. Sean completed the Brady Review, an investigation into the causes of fatalities in the mining industry in Queensland, Australia. This review analysed 20 years of incident and fatality information, was data driven, and culminated in 11 recommendations for both industry and the regulator on how to lower the fatality and incident rate. Sean is currently engaged as the lead investigator on a major power station incident in Australia. Sean speaks, podcasts, and writes about failure, human behaviour, data analytics and engineering disasters.

About the Chairperson

Mr. Toh Chen Han – Partner, Pinsent Masons MPillay LLP; Immediate Past Chairman, Society of Construction Law (Singapore)



A seasoned litigator, Chen Han has been described by Legal 500 as 'very methodical', 'forceful and relentless in his cross-examination' and 'a go-to individual for complex delay claims', who is 'unafraid to dive into details'. He acts as Counsel in international arbitrations, and in Singapore's High Court and Court of Appeal proceedings and has acted on major infrastructure projects e.g. the construction of power plants in Borneo, Pakistan, the Philippines and South Africa, international airports in India and Vietnam, the Red Line Commuter Train Project in Thailand, an iron-ore processing plant in Russia, and numerous large-scale projects in Singapore including the iconic Marine One development, Changi Airport, Sports Hub, Tuas Desalination Plant 3, Deep Tunnel Sewerage

System Phase II, Lower Seletar Water Works, Changi Water Reclamation Plant Phase 2, Biopolis, Fusionopolis, Kallang-Paya Lebar Expressway, the Thomson, Eastern Region, and Jurong Region mass rapid transit lines. Chen Han is the Immediate Past Chair of the Society of Construction Law (Singapore), a Fellow of the Singapore Institute of Arbitrators, a Contributing Editor for Singapore's leading construction law textbook, Law and Practice of Construction Contracts (Chow Kok Fong, 2018), and a Contributing Editor for the Singapore Journal of Construction Law.



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REGISTRATION CLOSING DATE: <u>15 April 2022</u>	FEES (includes materials, if any)
SCL (Singapore) Members	S\$35.00
Guests of SCL(S) Members, Members of international SCLs, Members of: Chartered Institute of Arbitrators (Singapore) Ltd (CIArb) Chartered Institute of Building (CIOB) Lighthouse Club (Singapore) (Lighthouse) Royal Institution of Chartered Surveyors (RICS) Singapore Contractors Association Ltd (SCAL) Singapore Institute of Arbitrators (SIArb) Singapore Institute of Architects (SIA) Singapore Institute of Building Ltd (SIBL) Singapore Institute of Surveyors and Valuers (SISV) Society of Project Managers (SPM) Tunneling and Underground Construction Society (Singapore) (TUCSS) Full Time Students & Faculty of NUS Faculty of Law	S\$60.00
Others	S\$90.00

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- Places are limited and can only be allocated in order of priority upon receipt of registration and any payment due.
- We reserve the right to refuse to register or admit any participant, and to cancel or postpone the webinar.
- Equivalent substitute delegates are welcomed, subject to the Organisers being notified at least 2 working days before the webinar of the substitute delegate.
- We will not entertain any request for a refund of fees. However, a confirmed registrant who has paid in full the webinar fees but does not attend the webinar will be entitled to a set of materials provided, if any.
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For further enquiries, please contact the SCL (SINGAPORE) SECRETARIAT
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Participants who wish to obtain CPD Points are reminded that they must comply strictly with the Attendance Policy set out in the CPD Guidelines. For this activity, this includes logging in at the start of the webinar and logging out at the conclusion of the webinar in the manner required by the organiser, and not being away from the entire activity for more than 15 minutes. Participants who do not comply with the Attendance Policy will not be able to obtain CPD Points for attending the activity. Please refer to <http://www.silecpdcentre.sg> for more information.