



PRINCIPAL | DIRECTOR

MATTHEW J. ESTHER

BEng. (Hons.) CEng Eurling FICE FIStructE
City University, London



Matthew is a Chartered Civil & Structural Engineer with 24 years' experience in the design, management and construction of large complex projects in Africa, Asia, Europe and the Middle East.

He is involved throughout the life cycle of construction projects across professional landscapes including client advisory in the development of business and financial plans, feasibility studies, development of project concepts and the execution strategy for the management, design, construction and procurement of mixed use developments.

Matthew is hands-on throughout the design life of a project, a process which starts with the establishment of a sound, simple and logical concept where alternatives are explored in depth and fundamentals hand-sketched and studied in detail. He is keen to challenge established norms and subscribes to a philosophy that places constructability at the centre of good design: he is keen to explore solutions that also make use of the latest design tools and 3D technologies to produce innovative and elegant buildings that make efficient use of materials to achieve value and economy.

KEY PROJECTS

His key project experience includes the Sunshade Structures and Australian Pavilion for EXPO 2020, Trilogy Towers (Limassol, Cyprus), Abu Dhabi Plaza (Kazakhstan), Trump Tower, DIFC Lighthouse, Anara Tower, Icon Hotel, Saba Tower 4, Dubai Pearl, Gulf News HQ, Ritz Carlton Hotel, Hamptons By Hilton, Currency House, The Louvre Museum (UAE), K1 & K2 Towers, Hidayah Tower (KSA), Al Shahed Tower (Kuwait), Haas Tower (Kenya) Padihed Shandiz and the Esfahan Convention Centre (Iran), Lusail LRT and Doha Metro (Qatar), the Hellinikon Olympic Stadium Complex, Thessalonika Metro, Mediterranean Cosmos, Pylaia (Greece), the Millennium Dome (now the O2), Wembley Stadium, Hertfordshire University Campus, Thames Barrier Park and Pierhead Lock (UK), Zabeel Saray Resort (Bahrain) and the LXR Hotel Resort (Seychelles).

AREAS OF EXPERTISE

Design of tall buildings / stadiums / geometrically complex structures
Conceptual design of architecturally led projects
Structural optimisation using advanced analysis & computer modelling
Design, fabrication & construction of steel structures
Design for construction & value engineering
Design of modular construction systems
Seismic analysis & design
Façade engineering
Design of light-weight structures



PROFESSIONAL ACTIVITIES

Matthew is committed to the development of the engineers of tomorrow within a studio environment that fosters creativity and encourages professional growth.

He was the organiser and principal lecturer for ten years for the preparation course for the Chartered Membership of the IStructE Exam in the UAE.

He is a regular guest lecturer at Heriot-Watt University, the British University in Dubai, the American University in Dubai and the University of Sharjah.

He has been the representative of the IStructE as member of industry for the accreditation of universities in the Middle East by the Joint Board of Moderators (JBM).

PUBLICATIONS & CONFERENCES

'Engineering the Structural Wonders of the UAE - The DIFC Lighthouse, Dubai' - proceedings of the Conference on Structural Wonders, November 2012 (pages 28-48).

'Engineering the Structural Wonders of the UAE - The DIFC Lighthouse, Dubai' - Presented a paper as an invited Speaker at the Conference on Structural Wonders in Singapore, 23 November 2012.

'The Structural Design of Icon Hotel in Dubai, United Arab Emirates' The Structural Engineer, proceedings of the Institution of Structural Engineers, Volume 89, issue 7, 5 April 2011 (pages 26-32).

'Hybrid Solution for Tall Building Structures' presented at CT-BUH World Conference in Mumbai, 5 February 2010

HONOURS

'Vice-President of the Institution of Structural Engineers - UK (2015/16)

Recipient of the President's Award (2011) ~ The Institution of Structural Engineers - UK

Chairman of the Middle East Group of the IStructE (2011/15), Senior & Vice-Chairman 2010, 2012 - 14 and committee member from 2009 to 2018

PROFESSIONAL AFFILIATIONS

Fellow of the Institution of Structural Engineers - **FIStructE**

Fellow of the Institution of Civil Engineers - **FICE**

Registered with the Engineering Council (UK) - **CEng**

Registration with **FEANI (EU)**

DIRECTORSHIPS

Managing Director & Founding Partner at WY & Esther Engineers

CONTACT MATTHEW ESTHER

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