

# HOSPITALITY PROJECTS

## Middle East & Africa

Matthew and his practice WY & Esther Engineers have had leading roles in the planning, design and execution of a number of 5-Star+ hotels resorts in the Middle-East and in Africa. Two examples of these are the Zabeel Saray Hotel in Bahrain which is operated by the Jumeirah Group; the other is the LXR Hotel located on the main island of Mahé in Seychelles and is one of the superior brands operated by Hilton.

### ZABEEL SARAY HOTEL

This Jumeirah branded 5-Star luxury 200 key hotel is located on reclaimed land. The hotel's focal point, the Manor House, has a range of all-day dining offerings, a high-end spa facility and a cluster of 12 luxury villas.

The project was designed and co-ordinated in BIM across all disciplines and solutions developed to integrate the structure within the architectural expression of an exacting Andalusian vernacular. The design was optimised to minimise material quantities in particular the foundation scheme made use of soil improvement rather than the more expensive deep foundation solution.



Client/Developer: **Seven Holding**

Multi-Disciplinary Engineering Design:  
**Matthew J. Esther & WY & Esther Engineers**

Total Built Up Area: **c. 35,000sqm**

Project Value: **Approx. 250m USD**

### LXR HOTEL

This latest addition to the Hilton brand in the main island of Mahé in the Seychelles, offers 5-Star luxury with two private beaches on the Indian Ocean. This hotel development sits within a lush tropical plantation with 44 luxury suites in a villa setting, offering unique vistas owing to the sharp relief and change in elevation throughout the site.

The key engineering challenges were the integration of the buildings within their natural surroundings and adapting locally available technology and making best use of the local know-how to build the various villas on what is a complex site made up of the distinctive smooth granite outcrops (or glacia) which are common in the Seychelles and prevalent throughout the site.



Client/Developer: **Confidential**

Civil & Structural Engineering:  
**Matthew J. Esther & WY & Esther Engineers**

Total Built Up Area: **c. 16,000sqm**

Project Value: **Approx. 50m USD**

### OUR APPROACH

These projects required extensive adaptation of local technologies and limitations to deliver world class projects in complex and difficult site conditions. From the initial review of the Zabeel Saray project it was clear there was enormous benefit to reassessing the entire design with the selection of soil improvement more than halving the cost and time to executing the foundation system.