

Projects undertaken by Mott MacDonald

Project	Client	Completion	Description
Completion Year: 2008			
Palm Jumeirah Monorail Project, Dubai, United Arab Emirates	Nakheel Corporation	2008	Provide engineering and site supervision services for a new dedicated monorail system capable of handling up to 6000 passengers per hour in each direction, the monorail will be approximately 5.5 km in length and will run from the Gateway Towers development on the mainland to the Atlantis resort. The key consultancy services including review and audit of the detailed design of all civil, structural, mechanical and electrical (M&E) works, verification and validation of M&E systems, review of construction management plans and spot inspection of civil, structural and M & E works to verify progress, quality and safety. The consultant will also witness M & E testing and commissioning and provide technical advice throughout the development. Advisory/Oversight/Peer Review, Project Management Cost: £215.32m
Completion Year: 2007			
Palm Jebel Ali Transport Strategy, Dubai, United Arab Emirates	Nakheel	2007	Review the transport proposals for the second Dubai Palm development with a forecast population of 250 000. An assessment was made of the viability of bus, light rail and monorail options and how public transport could be integrated most effectively into the development. Feasibility Study/Investigation
Palm Jumeirah Monorail Extension, Dubai, United Arab Emirates	Nakheel Corporation	2007	Carry out alignment and preliminary design from Gateway Tower to Nakheel Station. Work includes carrying out topographic survey, geotechnical desk study, contract documents for site investigation, alignment design preliminary design, preparation design and builds tender documents.



Feasibility Study/Investigation, Design

Completion Year: 2005

Kuala Lumpur Monorail
System: Independent
Checking Engineer,
Malaysia

KL PRT SDN BHD

2005

Commissioned to undertake the role of independent checking engineer of civil structures, stations, m&e, signalling, power supply and rolling stock services provided during the development of the monorail system.
Advisory/Oversight/Peer Review
Cost: £253.30m

Completion Year: 2004

Jakarta Monorail, Indonesia

PT Jakarta Monorail

2004

The project involves assistance with the finalization and overview of the final alignment for the Jakarta Monorail Blue and Green lines, including the production of the functional specifications for procurement requirements for all systems and civil works, including building services. The project also involves assistance on the selection of an appropriate document management system and the review and comparison of the performance specifications of the two Hitachi train systems suitable for the Jakarta Monorail.
Feasibility Study/Investigation,
Advisory/Oversight/Peer Review
Cost: £0.00m

Kuala Lumpur Monorail
Safety Studies, Malaysia

Monorail Malaysia
Technologies

2004

Commissioned to conduct safety studies for the vehicle safety case submission to the Independent Checking Engineer. Hazard identification, FTA and FMECA activities were performed on safety critical subsystems, and software verification and validation was carried out on the door operating and control systems.
Advisory/Oversight/Peer Review
Cost: £300.00m

Kuala Lumpur Monorail,
Malaysia

Ho Hup Construction

2004

The project involves system requirement management, system and rolling stock testing and commissioning, train control plc software reviews, safety case production, signalling system and reliability reviews and the production

of safety certificates and report and system availability plans.

Project Management

Cost: £300.00m

Completion Year: 2003

Putrajaya Light Rail Transit: Putrajaya Sdn Bhd
Phase II, Malaysia

2003

The monorail system comprises two lines, line one is 12 km long with 16 stations and line two is 6 km long with six stations. Appointed to lead detailed design for three underground stations and 4.5 km of tunnel including a submerged crossing. This followed our role on two underground stations and 1.1 km of tunnel.

Design

Cost: £90.00m