

# Urban Double Deck Highway Tunnels: Focusing on the SMART Project, Kuala Lumpur.

By Chris Bambridge CEng of Hatch Mott MacDonald

**IMPORTANT: DATE CHANGE**

**This lecture will now be held on: Wednesday April 29th, 2009**

An evening lecture on best practices, sponsored by the Institution of Civil Engineers

Date:  
Wednesday April 29th 2009

Time: 6pm refreshments.  
Lecture: 6.30pm to 7:30pm

Venue:  
Arup Offices (10th Floor),  
155 Avenue of the Americas  
New York, NY 10013.  
(Near Spring Street Subway)

RSVP:

Catherine Simpson of Arup.  
E: [catherine.simpson@arup.com](mailto:catherine.simpson@arup.com)  
T: (212) 896-3123  
Please bring photo ID.

Cost: Free.  
Refreshments will be provided.



In increasingly congested urban environments making best use of underground space is vital.

The Stormwater Management and Road Tunnel (SMART) is an innovative concept and consists of a 10 km long, 11.8 m internal diameter bored tunnel that runs to the east of Kuala Lumpur city centre. The whole tunnel is able to store and convey stormwater; the central third houses a double deck highway.

This presentation will highlight the specific design challenges that were faced and give examples of other projects where dual deck tunnels have been proposed.

Chris Bambridge is a Project Director with Mott MacDonald in the UK and is an active member of the British Tunneling Society.

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