



# **BRITISH TUNNELLING SOCIETY**

**Thursday 17<sup>th</sup> January 2008 at 6.00pm**  
**at**  
**The Institution of Civil Engineers**  
**One Great George Street, Westminster, London SW1P 3AA**

## **Lower Lea Valley Cable Tunnels**

**Presented by:     Alan Winter (Arup)**  
**Kevin McManus (J Murphy & Sons)**  
**Michael Francis (PB)**

The London Development Agency faced a massive challenge to divert overhead power lines running down the Lea Valley between Hackney and West Ham in time to permit development of the Stratford area and construction of sports facilities.

The solution included two 6 km long tunnels to carry National Grid and EDF Energy cable circuits between substations as well as a 1.5 km spur tunnel connection.

This was a project in the Lambeth Group/Thanet Sands, which presented significant challenges for construction of shafts and tunnels. There are also complex interfaces with the high value contract for cable supply and installation. The start up was as fast as or faster than any other project and there is a fixed completion date.

The presentation will describe the approach to planning, design and construction designed to address the unique issues in this project and draw out lessons for the implementation of fast track projects.

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**Tea and biscuits will be available at 5:30pm**  
**In case of any query please**  
**contact The Secretary, BTS tel: 020 7665 2233 or e-mail: [bts@ice.org.uk](mailto:bts@ice.org.uk)**  
**or visit <http://www.britishtunnelling.org>**