

SEMINAR

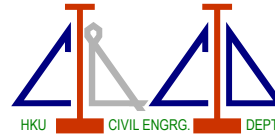
Jointly organised by



CENTRE FOR ASIAN TALL BUILDINGS
AND URBAN HABITAT ———●●●

and

**Centre for Infrastructure and
Construction Industry Development**



THE USE OF TRENCHLESS TECHNOLOGY FOR THE IMPROVEMENT OF URBAN HABITATS

by

Ian Vickridge, MSc, CEng, MICE, MCIWEM

Director

Ivy Associates Limited

Trenchless Technology and Pipeline Rehabilitation Consultants

Date: June 12, 2003 (Thursday)
Time: 5:30 – 6:30 p.m.
Venue: Lecture Theatre B, Chow Yei Ching Building
The University of Hong Kong

ABSTRACT

It is now well over a quarter of century since men first walked on the moon yet, in this age of rapid technological development, we persist in undertaking the task of installing and maintaining our underground utility services using what is essentially 19th century technology – digging holes in the road – causing traffic delays, congestion, noise, vibration, and air pollution. The frustration this causes is aggravated by the knowledge that there often seems to be little co-ordination between the agencies responsible for the work, resulting in the same stretch of road being excavated by different organisations within a short space of time. Surely, in the 21st century, we should be demanding better, more efficient, less disruptive ways of installing and maintaining these essential services that are the lifeblood of our urban habitats without which, trade, commerce and civilised existence are impossible. This talk will give an overview of the many trenchless (“No-Dig”) methods currently available for installing and maintaining urban underground utility infrastructure with particular reference to the benefits and possible application in Hong Kong. The presentation will conclude with a consideration of several scenarios of how utility services may be delivered in less disruptive ways in the future, including the use of multi-utility ducts.

ABOUT THE SPEAKER

Ian Vickridge is the Technical Secretary of the UK Society for Trenchless Technology (UKSTT) and a Director of Ivy Associates Limited, a consultancy company specialising in pipeline rehabilitation and trenchless technology. Previously he was a Senior Lecturer in Civil Engineering at the University of Manchester Institute of Science and Technology (UMIST), where he was the Director of two MSc courses in project management and the leader of the Environmental Management research group. He has thirty-five years of international experience in civil engineering and has worked for consultants, contractors and universities in various parts of the world, including the UK, Singapore, Saudi Arabia, Canada, Ireland, and Hong Kong, where he was a lecturer at HKPU between 1975 and 1979. He is the author of over seventy technical papers and book chapters, has lectured extensively on CPD courses in many parts of the world, and has been an expert witness on a number of cases related to pipeline installation and rehabilitation. He is currently working with Black and Veatch Hong Kong Limited and also advising several other companies in Hong Kong on the use of trenchless methods for the installation and rehabilitation of pipes and cables.

- ALL INTERESTED ARE WELCOME -

Dept. of Civil Engineering, The University of Hong Kong. Contact Tel. No.: 2859 2286