

Prof. KYOUNG SOO KIM

CEO, Korea Infrastructure Safety & Technology Corporation



Mr. Kim served as Director/Director General at Ministry of Construction and Transportation and Ministry of Land, Transport and Maritime Affairs for sixteen years since 1994. Afterwards, Mr. Kim was General Director at National Geographic Information Institute and took the current position.

PRESENTATION TITLE: The Infrastructure Safety Management and Maintenance in Korea

ABSTRACT: The presentation introduces Korean SOC statistics and maintenance policy, Special Act for safety and maintenance on existing facilities and KISTEC's role.

Convenient and efficient safety management system is well constructed under properly organized national legal system. Also, optimum facility maintenance considering longevity provides a beneficial opportunity of both disaster prevention and improvement on fair value of SOC.

The change of national policy has been demanded by aging facilities and changing of climate and environment which are the main factors of increasing safety threatening on living facilities. The general response system for natural and man-made hazard, the establishment of user friendly maintenance system and the enhancement of facility information system are regarded as a big framework of future national policy

Under the national legal facility safety and maintenance system, Ministry of Land, Infrastructure and Transport (MLIT) controls major infrastructures and Ministry of Security and Public Administration controls relatively small facilities over sharing information with MLIT.

There are two tracks of recent safety and maintenance strategy. One is the enhancement of safety management on national major infrastructures based on smart and intelligent facility information management system integrating ICT. The other is the building of safety management system for small weak facility such as retaining wall, small bridge and social welfare facility, etc.

However, lack of understanding about importance of facility maintenance, limited budget and incapacity of maintaining engineer are the main factors to be resolved in order to go advanced safe and sound infrastructures.