

# **Embracing Our Smart World by Enhancing Information Technology for Office Buildings**

**K Chan (Hong Kong SAR, China)**

**Key words:** Professional practice; Real estate development; Spatial planning; Embracing smart world, enhancing information technology, competitive global environment, telecommunication services.

## **SUMMARY**

Aging technology will devalue the economical life of commercial buildings, especially in a highly competitive global environment. Thus, reengineering the information technology (IT) system of commercial buildings will become imminent to escalate its property values, marketability, and productivity/production of the occupants.

This study is aimed to investigate the extent of IT, encompassing telecommunication services and network facilities that can be advanced to meet the above reengineering purpose, through action research of case studies in Hong Kong. The potential problems, difficulties and processes in IT upgrading will be examined and analyzed to evaluate the probable benefits at times before and after such IT are improved.

Quantitative method via structured questionnaire will be dispatched to major users of the target case buildings, then follow with statistical analysis to assess the overall reengineering implications before and after such IT upgrading, to shed some light in paving the way forward for modernizing aged commercial buildings.