SUMMARY

As a concept, the Intelligent Building is both elusive and ill-defined. While the term "intelligent building" has been widespread in use over the last decade, a definition which has a commensurate acceptance has yet to be developed.

This dissertation examines the evolution of the intelligent public building and its development as a concept which embodies both the technological and socio-economic aspects. It highlights the range of requirements expected of an intelligent public building and discusses the salient practical features commensurate with building intelligence.

Surveys on residents residing in public building on their satisfaction and perception of the intelligent public buildings in Singapore are conducted and discussed to provide a balancing flavour from the resident's perspective.

The outcome of the study was that the process of transforming public building into intelligent
public building has far reaching implications for the Housing and Development Board (HDB) organisation and these extend beyond technological and cost considerations. Consequently, HDB should allow a planned introduction of technology in an evolutionary way so that residents are provided the opportunities to develop their understanding and appreciate the technology development in the most effective manner.