NegativeLand
UndergroundSpacesinArchitecturalDesign

by

SEETOH KUM LOON
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ABSTRACT

As the modern world becomes denser, vast amounts of programme are
gradually being pushed in both directions of the vertical axis – skywards and
groundwards. Many modern cities in the present world face the problems of
being over-dense.

It is in this light of the rapid densification of modern cities, this research paper
aims to discuss the design issues related to the creation of underground
spaces – the additional land acquired downwards. There are many mundane
functional and economic factors influencing the decision of the architect to
design underground spaces, such as carparking requirements, cost of building
basements, economic values of street level frontages, etc.

However, within the scope of the research, this paper targets at discussions of
the creative conceptualization of underground spaces as additional land for the
over-densified cities.

Dissertation Supervisor: Chow Kok Leong
Title: Lecturer