

## **The engineering aspects of hill-site development**

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The construction of residential buildings on hill-site in Malaysia has increase tremendously for the last 15 years due to depleting flat land and other influencing factors like beautiful scenery, fresh air and exclusiveness. Hill-site development is often related to land slides and media coverage on landslides especially in the recent monsoon has raised concern on the safety of buildings on hill-site. Landslides have become a popular topic of discussion among engineers and public.

The truth is hill-site development is safe with proper planning, analysis, design, construction and maintenance. This talk presents brief guidelines on the above engineering aspects of hill-site development for engineers (target for non-government engineers) and answer some of the common misconceptions. Case and lessons learned from projects on hill-site development will be discussed together with some simple checklist to prevent slope failures.

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