

Geological input in coastal development — some case studies in Peninsular Malaysia and Singapore

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Geological input is necessary in various engineering construction projects. In coastal development projects, this statement is also true and applicable. This paper presents several engineering construction projects sited in coastal areas of Peninsular Malaysia and Singapore whereby geological input or information form part and parcel of the project requirements. The projects cited include the construction of breakwaters, extension of an airport, harbour, an aqua-culture project, condominium, bridge, marina, hotel and commercial development. The type of geologic input of course varies from project to project, as is the site geology, both surface and sub-surface geology which are site-specific. The example case studies presented illustrate the need for geologic input as part and parcel of project implementation.
