

## **Ground improvement for soft soil stabilisation in coastal areas**

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The presence of soft marine clay deposits along the western coast of Malaysia necessitates the use of ground improvement techniques when coastal facilities such as flood protection embankments and ports/marinas are to be built. Ground improvement is required to ensure adequate slope stability of soft marine soils because of their low shear strength. In this paper two ground improvement techniques, namely Dry Deep Soil Mixing and Vibro Replacement, are presented as treatment techniques to meet the requirements with regards to settlements and slope stability.

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