



### Klang Marina Reclamation

#### Project

Land Reclamation and Shore Protection Works for Klang Marina, Pulau Indah, Port Klang, Selangor.

#### Client

Perwaja Rolling Mill & Development Sdn Bhd  
(Maju Holdings Sdn Bhd)

#### Contract Sum

RM7,765,134

#### Contract Period

Aug 2007 ~ Mar 2008 (7 mths)

#### Consultant Engineer

Serumpun Konsultant Sdn Bhd

#### Owner / Employer

Marine Department of Malaysia

When Perwaja's earlier subcontractor could not deliver the ground platform critical for the construction of the marina, SYS was engaged to finish the works in short duration.

Scope of work includes the supply /placing of 120,000m<sup>3</sup> of sand, 19,800m<sup>3</sup> of rock for shore protection and 17,600m<sup>2</sup> of 1,000g/m<sup>2</sup> non-woven geotextile. The sandfill was used for the ground platform, sandkey underlying the rock revetment, and as surcharge material for the filled platform.

A grab dredger was first mobilized to dredge the sandkey and basin fronting the marina. Then the dredger relocated to an offshore sand source to win sand and deliver to site by flat-top barges. After placing the sand in the sandkey and building up a platform, geotextile were placed and rock revetment works followed. The rest of the sandfill were re-handled onshore to surcharge the filled platform.

