

**PROJECT :-****HARDSTAND, FINGER PIERS, DREDGING AND BEACH NOURISHMENT WORKS AT REBAK MARINA RESORT, PULAU REBAK BESAR, LANGKAWI, KEDAH, MALAYSIA****LOCATION :-**

Langkawi, Kedah, West Malaysia

**CLIENT :-**

Rebak Island Marina Berhad

**PROJECT COST :-**

RM8 Million (US2.3 Million)

**COMPLETION DATE :-**

February 2005

**Job Description :-**

Rebak Marina Resort incorporates marina facilities for sailing yachts. To maintain and service the yachts, a dry storage area was provided adjacent to the marina. The hardstand consisted of concrete paving blocks. To haul up the yachts, a double finger piers structure with a slipway were constructed.

Dead corals were abundant in the foreshore area of the Resort beach area near the chalets outside the marina and the beach headland was showing signs of erosion. To enhance the amenity at the beach for swimmers, certain stretch of the coral area was dredged and replaced with sand. The existing beach was nourished with imported sand. To prevent the loss of sand, a rock groyne was constructed at one end of the beach.

**The Detail Works include :-**

- Design of double finger piers structure with a slipway
- Design of hardstand for storage and maintenance of yachts
- Design of beach nourishment and rock groyne

**SERVICES PROVIDED :-**

- Detailed Design (Structural, Civil, and Coastal works)
- Coordination of specialist works, i.e. Hydraulic Study.
- Construction Supervision

**Rebak Marina Resort, Pulau Rebak Besar, Langkawi, Kedah, Malaysia**