

# PORTS

## Reconstruction of East Wharf: Singapore

The firm was appointed as consulting engineers to the Singapore Harbour Board in 1950 and continues to serve the present Port of Singapore Authority as their retained consultants.

**One of its most important assignments in Singapore was to enlarge the existing harbour at East Lagoon and to provide additional berthing facilities for ocean-going vessels and coasters.**

The usual hydraulic model studies were made for possible schemes and in 1959 the Harbour Board decided to go ahead with the first phase. This involved the salvaging and repositioning of several hulks which had been protecting shipping from the monsoon swell, dredging the basin, and reconstructing and enlarging the existing East Wharf to form new deep water berths.

Realignment of the wharf (in order to avoid an area of bad ground,) made it both possible and economical to build four berths instead of three. The wharf is carried on 1700 piles driven from a frame mounted on a travelling gantry carried on temporary steel piles. Another feature was the inclusion of special fendering arrangements consisting of large tubular rubber fenders for absorbing the impact from large vessels.

Four go-downs were built on the wharf. Railway lines were built clear of the quay apron and the wharf is equipped with bunkering and watering points.

The first berth was brought into operation in May 1961 and the fourth berth a year later, the whole project having taken two years to complete since the beginning of the piling.

