



PROJECTS

MALAYSIA

PROJECT TITLE: REMEDIAL WORKS AT A PETROCHEMICAL JETTY AT BAGAN LUAR, BUTTERWORTH, PULAU PINANG



Nature of Problem

Cracks were formed in structural members and spalling and defective concrete were found on the slabs, beams, sides of the breasting dolphins and mooring dolphins. Severe corrosion occurred at the reinforcement bars. Thus, the expansion of corroded rebar caused the concrete to spall and crack.

The Solution

Epoxy injection, formwork grouting and patching were the major scope of works to repair the defective concrete. Protective coating with anti carbonation paint was applied on the exposed concrete surface to prevent further corrosion.

Year 2003