



**PROJECT:** WAREHOUSE STRENGTHENING  
**LOCATION:** POINT LISAS, TRINIDAD  
**OWNER:** ANSA McAL CHEMICALS LTD.  
**CLIENT:** ANSA McAL CHEMICALS LTD.  
**SECTOR:** INDUSTRIAL  
**PROJECT VALUE:** TT\$2m  
**PROJECT COMPLETION:** Apr 2005

#### Project Description

This project consisted of an analysis of an existing warehouse mezzanine floor to determine the cause of cracking and make recommendations for measures that would enhance the floor to enable additional loading due to increased storage demands.

The Client was desirous of remedying the floor cracking and improving the load capacity to enable additional goods to be stored at this level. This additional loading covered both static loads from goods and moving loads due to forklift movements.

#### Our role

- Carry out a site visit and undertake a detailed survey of the existing floor, warehouse and details of existing and current loading
- Investigate the causes of floor cracking and make recommendations as to remedial measures
- Calculate the structural loading on the floor and the make recommendations as to the necessary strengthening modifications to enable additional storage to be facilitated.
- Develop loading patterns to guide and assist the Client as to the most efficient use of the storage areas.